

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030217\
 Data File : BG026036.D
 Acq On : 2 Mar 2017 19:18
 Operator : SJ/MA
 Sample : I2056-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Manual Integrations
 APPROVED

mohammad
 3/3/2017 10:56:44 AM

Quant Time: Mar 03 02:14:08 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 28 15:36:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	125099	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	528640	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	303149	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	692676	20.00	ng	0.00
75) Chrysene-d12	21.66	240	691213	20.00	ng	-0.02
86) Perylene-d12	24.85	264	653408	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1122848	156.27	ng	0.00
7) Phenol-d6	7.23	99	1505352	141.57	ng	0.00
23) Nitrobenzene-d5	9.23	82	853425	101.88	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	518444	185.11	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1823237	105.09	ng	-0.01
78) Terphenyl-d14	20.00	244	2291709	80.64	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.53	88	130399	39.71	ng	# 78
3) Pyridine	3.93	79	371781	37.99	ng	# 66
4) n-Nitrosodimethylamine	3.84	42	139959	39.77	ng	# 11
6) Aniline	7.40	93	490514	33.18	ng	# 91
8) 2-Chlorophenol	7.64	128	447202	52.37	ng	# 85
9) Benzaldehyde	7.20	77	109481	17.38	ng	# 79
10) Phenol	7.26	94	584803	50.61	ng	# 74
11) bis(2-Chloroethyl)ether	7.49	93	426642	44.92	ng	# 86
12) 1,3-Dichlorobenzene	7.96	146	457704	46.37	ng	# 89
13) 1,4-Dichlorobenzene	8.11	146	471638	47.16	ng	# 94
14) 1,2-Dichlorobenzene	8.43	146	449206	45.76	ng	# 93
15) Benzyl Alcohol	8.30	79	383784	49.29	ng	# 80
16) 2,2'-oxybis(1-Chloropropan	8.61	45	487596	35.38	ng	# 84
17) 2-Methylphenol	8.51	107	392138	47.11	ng	# 82
18) Hexachloroethane	9.16	117	159948	48.26	ng	# 88
19) n-Nitroso-di-n-propylamine	8.87	70	336981	43.39	ng	# 77
20) 3+4-Methylphenols	8.83	107	539724	45.51	ng	# 87
22) Acetophenone	8.89	105	649345	51.19	ng	# 76
24) Nitrobenzene	9.27	77	463809	51.20	ng	# 77
25) Isophorone	9.79	82	936233	50.79	ng	# 92
26) 2-Nitrophenol	9.98	139	246003	58.07	ng	# 70
27) 2,4-Dimethylphenol	10.04	122	424615	53.71	ng	# 89
28) bis(2-Chloroethoxy)methane	10.27	93	584169	50.00	ng	# 99
29) 2,4-Dichlorophenol	10.52	162	426969	56.58	ng	# 95
30) 1,2,4-Trichlorobenzene	10.73	180	429868	52.38	ng	# 96
31) Naphthalene	10.92	128	1330339	48.67	ng	# 100
32) Benzoic acid	10.11	122	52418	8.68	ng	# 73
33) 4-Chloroaniline	11.02	127	274252	23.10	ng	# 84
34) Hexachlorobutadiene	11.21	225	241939	51.81	ng	# 97
35) Caprolactam	11.79	113	159285m	52.27	ng	# 92
36) 4-Chloro-3-methylphenol	12.14	107	465405	51.55	ng	# 83
37) 2-Methylnaphthalene	12.52	142	1019147	48.96	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	12.89	216	452316	59.53	ng	# 99
40) Hexachlorocyclopentadiene	12.87	237	521349	125.39	ng	# 94

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.11	196	334045	68.07	ng	96
43) 2,4,5-Trichlorophenol	13.19	196	350573	62.93	ng	92
45) 1,1'-Biphenyl	13.51	154	1275588	58.06	ng	98
46) 2-Chloronaphthalene	13.56	162	945819	59.55	ng	99
47) 2-Nitroaniline	13.75	65	295821	58.73	ng	# 65
48) Acenaphthylene	14.40	152	1586152	56.09	ng	99
49) Dimethylphthalate	14.13	163	1661170	79.87	ng	99
50) 2,6-Dinitrotoluene	14.24	165	286065	61.23	ng	# 70
51) Acenaphthene	14.74	154	1097587	58.77	ng	97
52) 3-Nitroaniline	14.57	138	217203	41.56	ng	# 72
53) 2,4-Dinitrophenol	14.77	184	179122	73.27	ng	89
54) Dibenzofuran	15.07	168	1499837	60.24	ng	92
55) 4-Nitrophenol	14.87	139	474386	111.55	ng	# 50
56) 2,4-Dinitrotoluene	15.03	165	397890	63.31	ng	# 76
57) Fluorene	15.72	166	1246966	56.05	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.29	232	331386	67.43	ng	96
59) Diethylphthalate	15.48	149	1288437	59.90	ng	99
60) 4-Chlorophenyl-phenylether	15.71	204	581268	56.39	ng	95
61) 4-Nitroaniline	15.73	138	300970	55.56	ng	# 56
62) Azobenzene	16.00	77	1148418	62.11	ng	85
64) 4,6-Dinitro-2-methylphenol	15.79	198	211468	52.17	ng	90
65) n-Nitrosodiphenylamine	15.92	169	1112801	52.97	ng	98
66) 4-Bromophenyl-phenylether	16.60	248	381228	52.51	ng	97
67) Hexachlorobenzene	16.72	284	401476	53.66	ng	96
68) Atrazine	16.86	200	422612	56.84	ng	97
69) Pentachlorophenol	17.06	266	511043	110.72	ng	98
70) Phenanthrene	17.45	178	1905482	50.67	ng	98
71) Anthracene	17.54	178	1942945	50.68	ng	99
72) Carbazole	17.80	167	1789178	46.46	ng	98
73) Di-n-butylphthalate	18.36	149	2156598	57.05	ng	# 95
74) Fluoranthene	19.45	202	2076874	50.16	ng	95
76) Benzidine	19.62	184	939609	43.06	ng	98
77) Pyrene	19.81	202	2124260	48.59	ng	99
79) Butylbenzylphthalate	20.69	149	1026939	61.90	ng	89
80) Benzo(a)anthracene	21.64	228	1956069	48.47	ng	99
81) 3,3'-Dichlorobenzidine	21.55	252	393003	27.32	ng	# 99
82) Chrysene	21.70	228	1812984	46.72	ng	99
83) Bis(2-ethylhexyl)phthalate	21.54	149	1522230	63.55	ng	98
84) Di-n-octyl phthalate	22.74	149	2589704	65.46	ng	# 84
85) Indeno(1,2,3-cd)pyrene	28.51	276	2035246	44.53	ng	# 88
87) Benzo(b)fluoranthene	23.84	252	1995757	51.00	ng	# 95
88) Benzo(k)fluoranthene	23.91	252	1855560	48.60	ng	# 93
89) Benzo(a)pyrene	24.71	252	1856805	50.11	ng	# 94
90) Dibenzo(a,h)anthracene	28.57	278	1618887	43.49	ng	# 93
91) Benzo(g,h,i)perylene	29.65	276	1732596	46.42	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

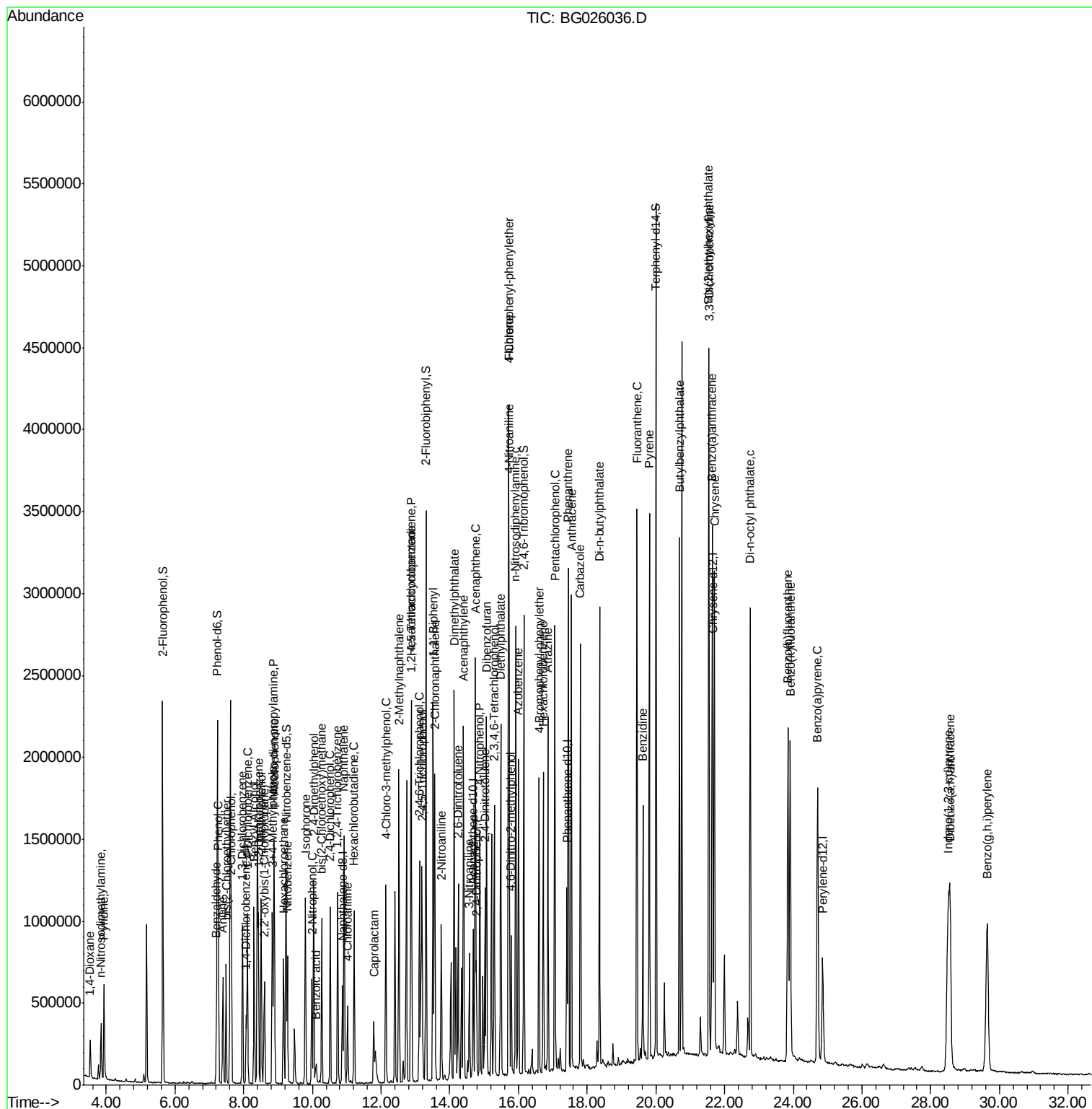
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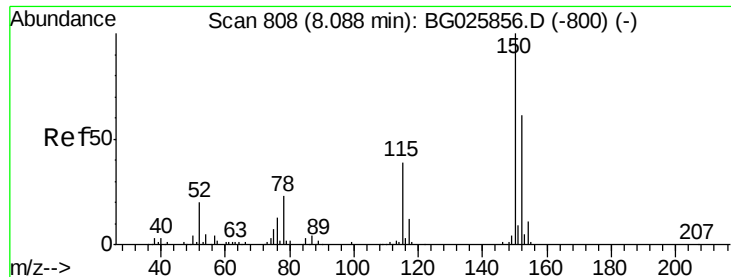
Instrument :
 BNA_G
 ClientSampled :
 4B-20MS

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

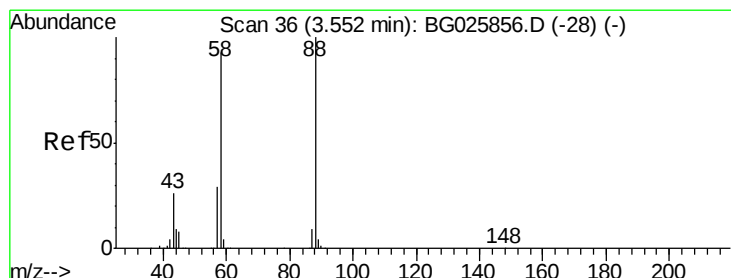
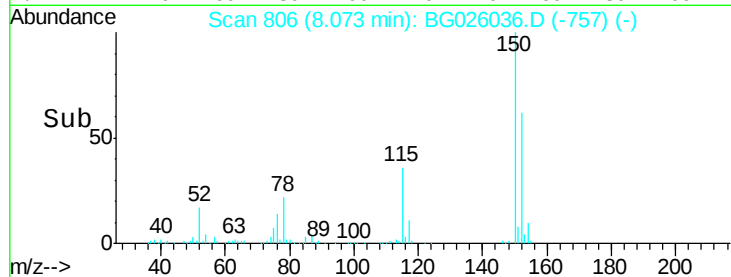
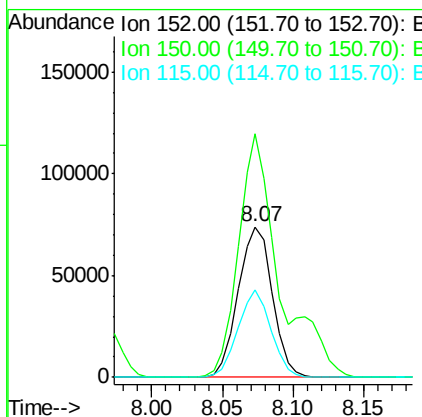
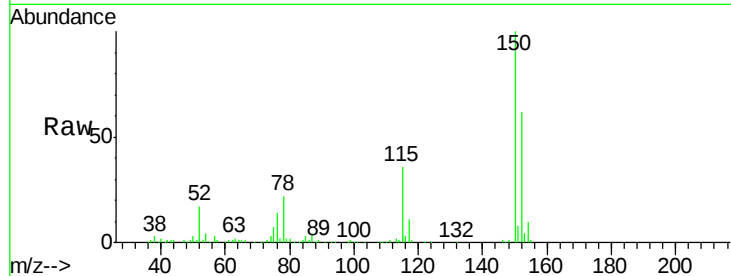
ClientSampleId :

4B-20MS

Tgt Ion:	152	Resp:	125099
Ion Ratio	Lower	Upper	
152	100		
150	162.0	114.0	171.0
115	58.4	48.1	72.1

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#2

1,4-Dioxane

Concen: 39.71 ng

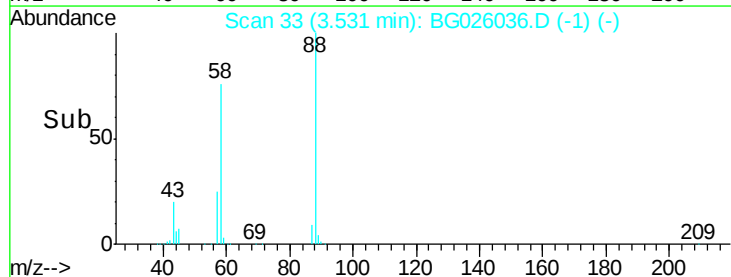
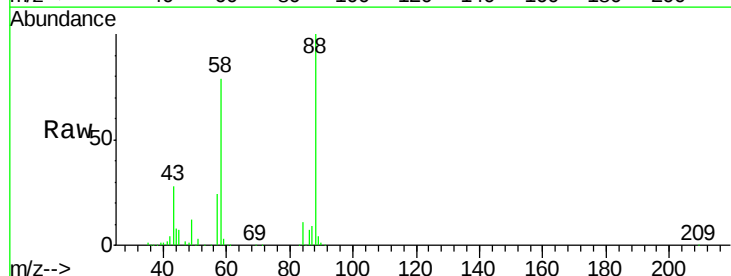
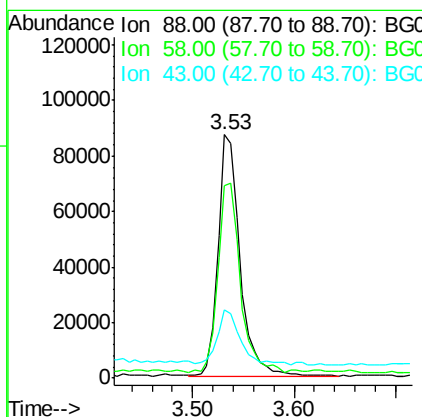
RT: 3.53 min Scan# 33

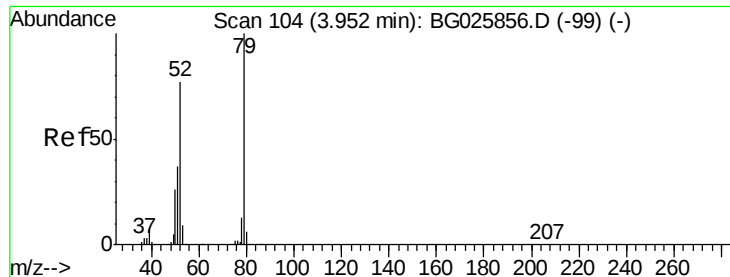
Delta R.T. -0.02 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:	88	Resp:	130399
Ion Ratio	Lower	Upper	
88	100		
58	79.5	79.4	119.2
43	24.8	33.8	50.6#





#3

Pyridine

Concen: 37.99 ng

RT: 3.93 min Scan# 101

Delta R.T. -0.02 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

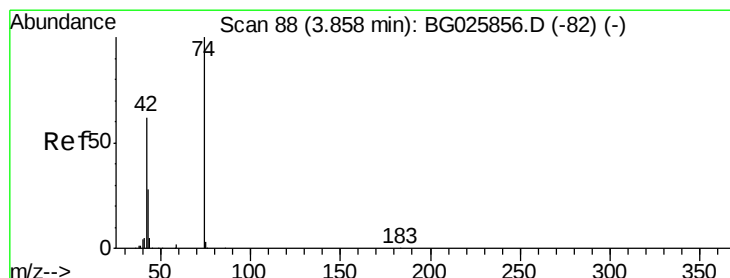
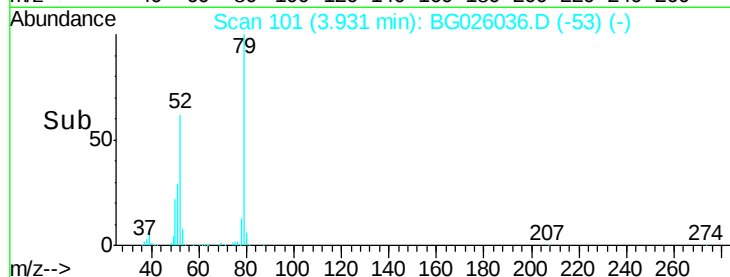
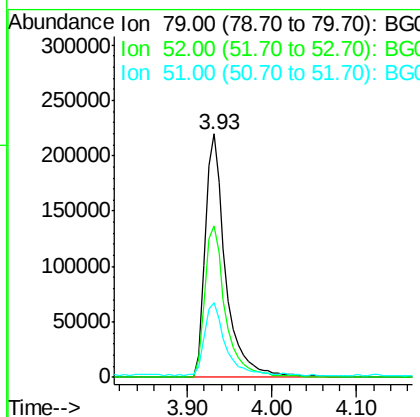
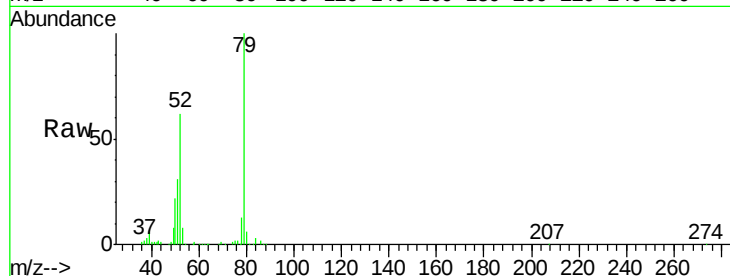
ClientSampled :

4B-20MS

Tgt Ion:	79	Resp:	371781
Ion Ratio	Lower	Upper	
79	100		
52	62.4	77.8	116.6#
51	30.5	43.2	64.8#

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#4

n-Nitrosodimethylamine

Concen: 39.77 ng

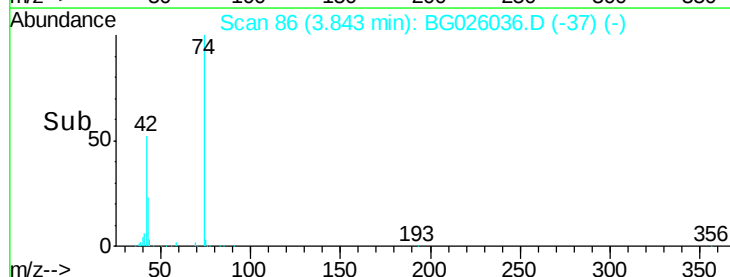
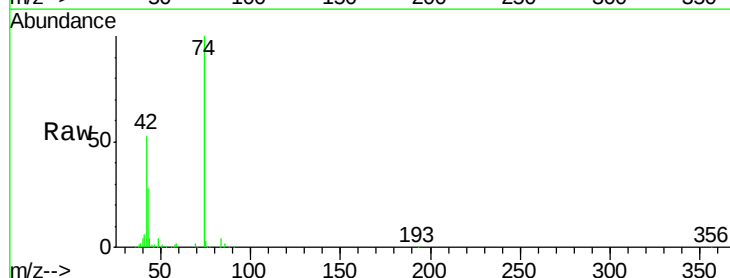
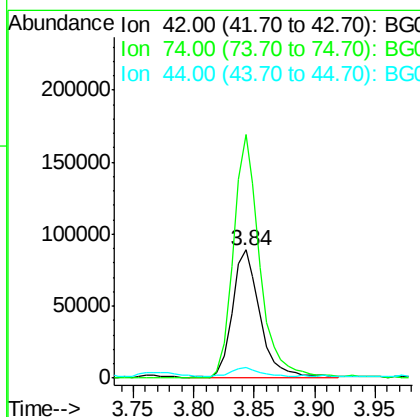
RT: 3.84 min Scan# 86

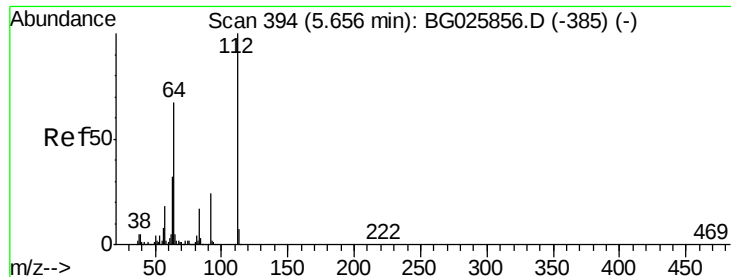
Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:	42	Resp:	139959
Ion Ratio	Lower	Upper	
42	100		
74	189.9	76.7	115.1#
44	8.0	6.1	9.1





#5

2-Fluorophenol

Concen: 156.27 ng

RT: 5.65 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

ClientSampleId :

4B-20MS

Tgt Ion: 112 Resp: 1122848

Ion Ratio Lower Upper

112 100

64 63.5 61.8 92.6

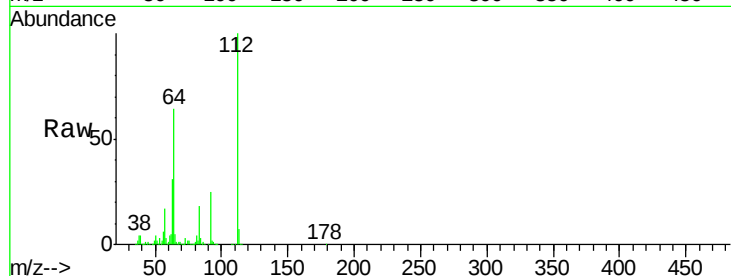
63 31.5 37.2 55.8#

Manual Integrations

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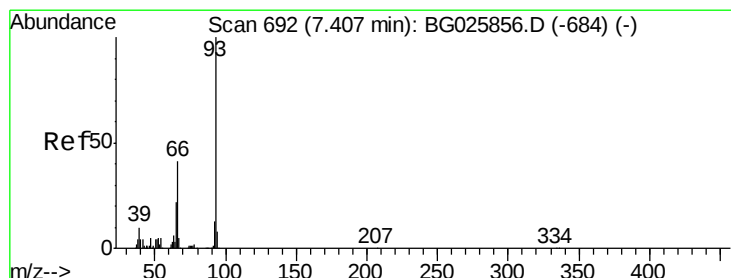
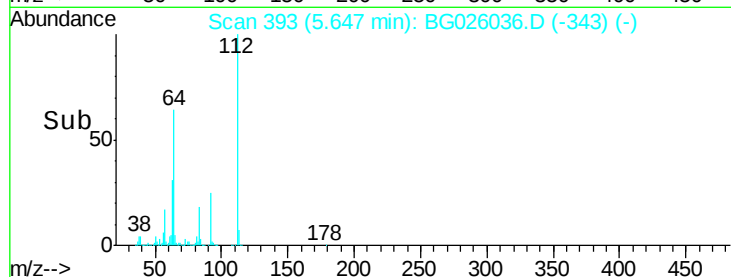
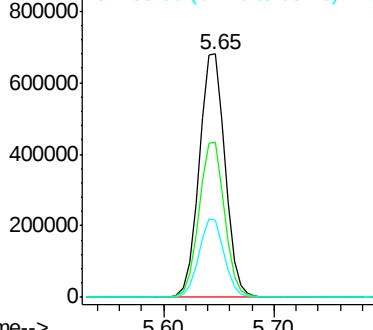
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 33.18 ng

RT: 7.40 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

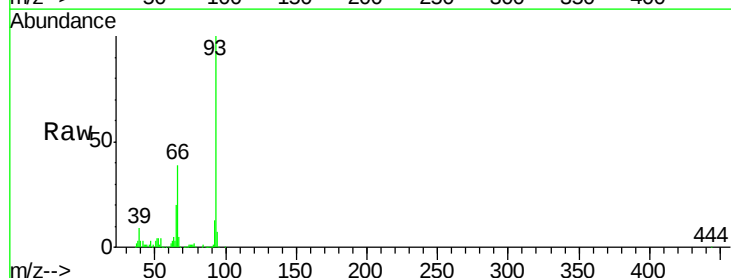
Tgt Ion: 93 Resp: 490514

Ion Ratio Lower Upper

93 100

66 39.3 35.4 53.2

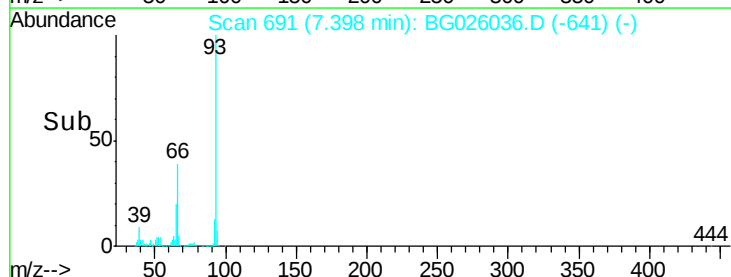
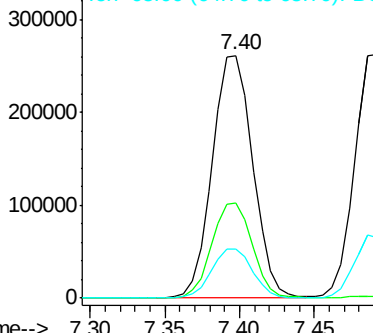
65 20.5 21.2 31.8#

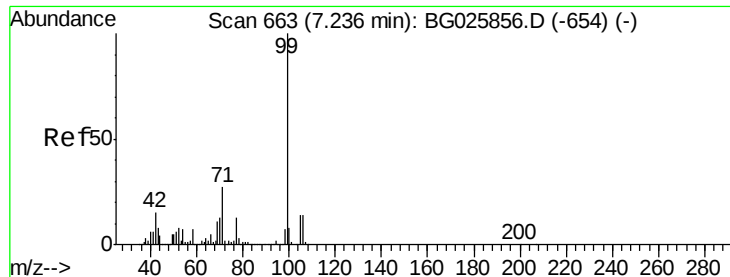


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 141.57 ng

RT: 7.23 min Scan# 663

Delta R.T. -0.00 min

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Tgt Ion: 99 Resp: 1505352

Ion Ratio Lower Upper

99 100

42 13.3 20.5 30.7#

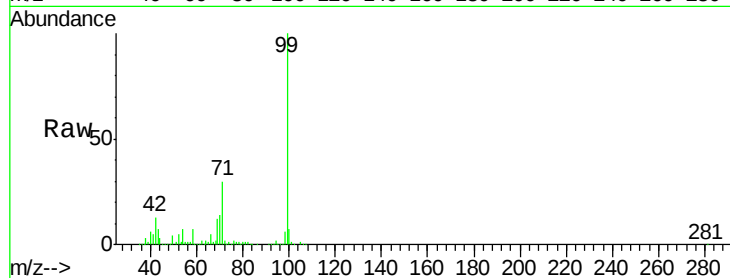
71 29.5 37.6 56.4#

Manual Integrations

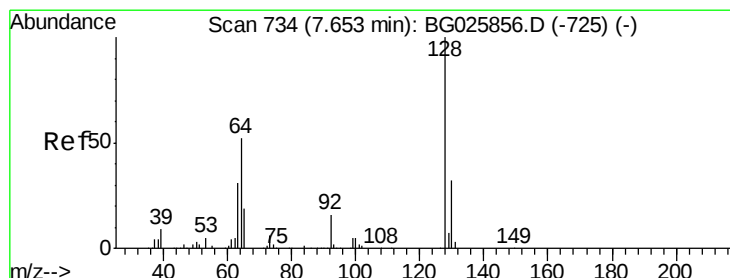
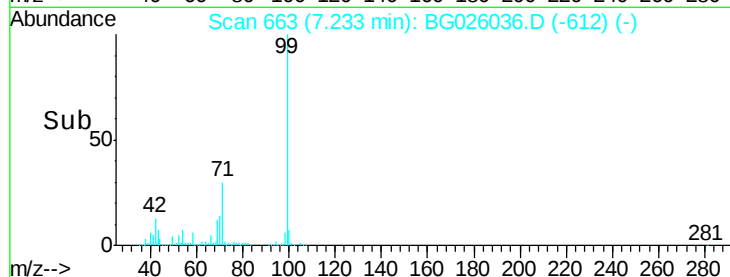
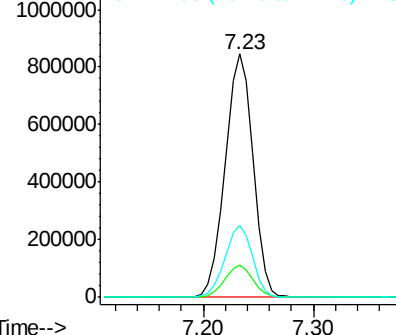
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 52.37 ng

RT: 7.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

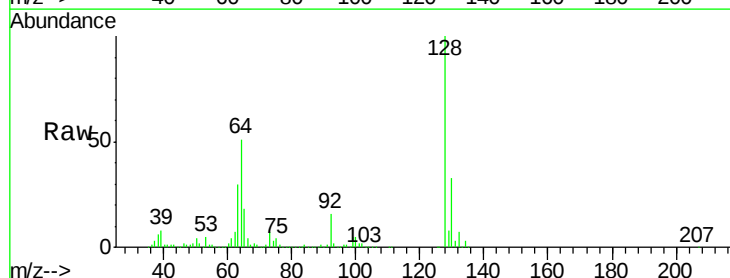
Tgt Ion: 128 Resp: 447202

Ion Ratio Lower Upper

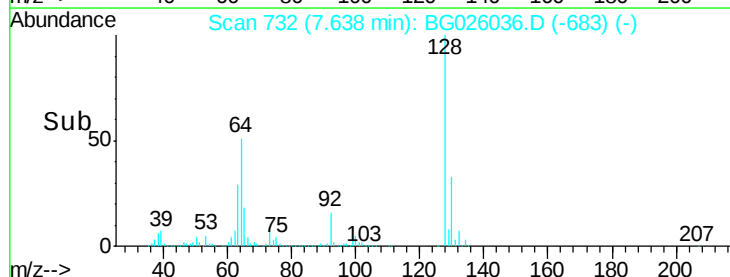
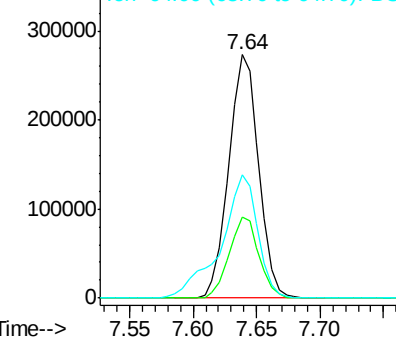
128 100

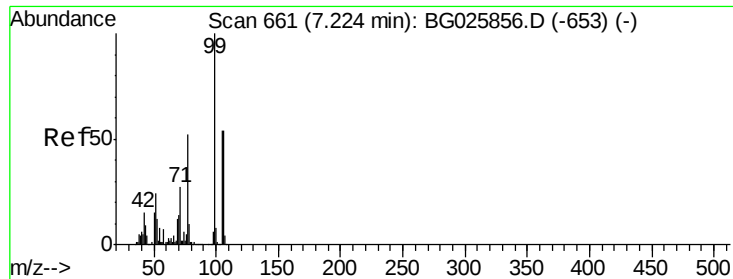
130 33.1 11.4 51.4

64 50.6 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 17.38 ng

RT: 7.20 min Scan# 658

Delta R.T. -0.02 min

Lab File: BG026036.D

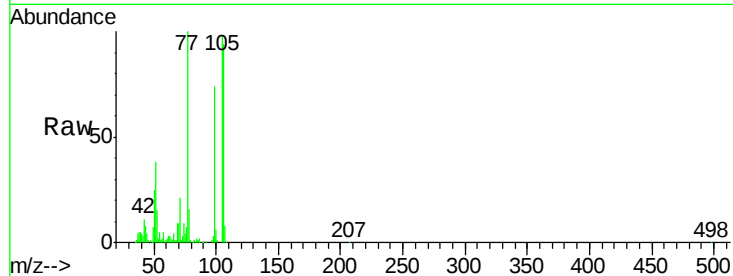
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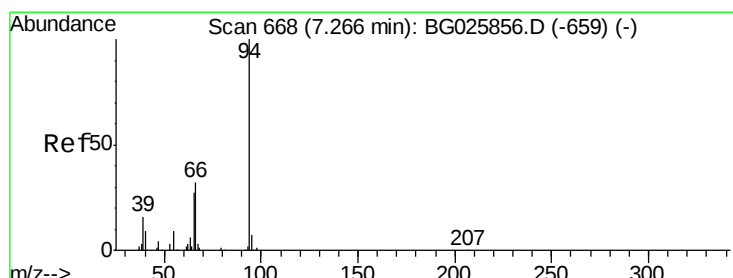
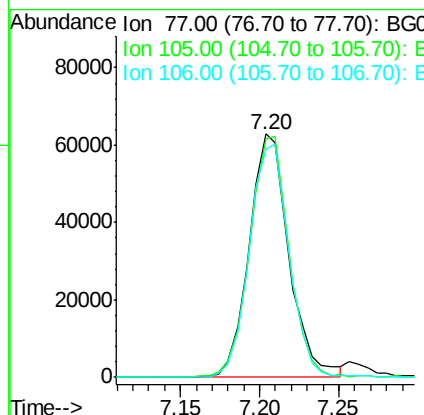
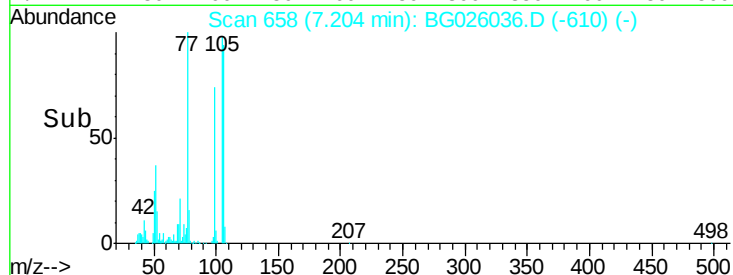
4B-20MS



Tgt Ion:	77	Resp:	109481
Ion	Ratio	Lower	Upper
77	100		
105	98.2	60.9	100.9
106	93.9	55.1	95.1

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#10

Phenol

Concen: 50.61 ng

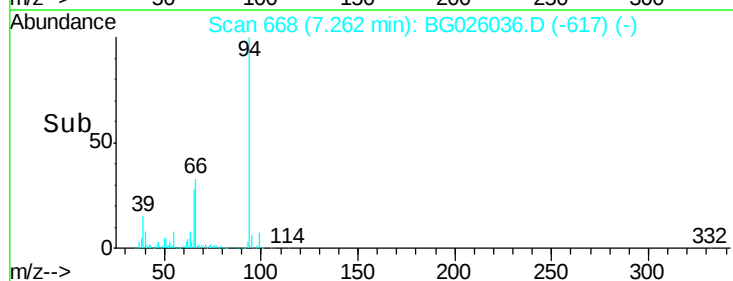
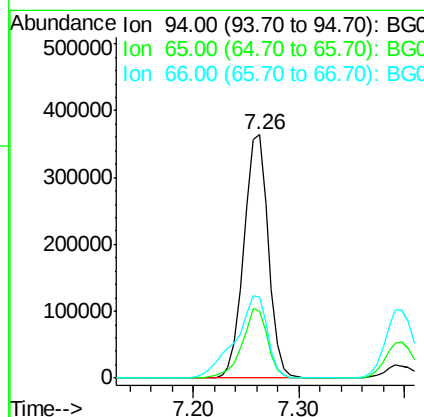
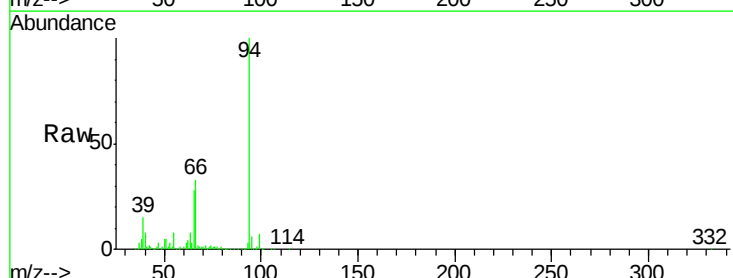
RT: 7.26 min Scan# 668

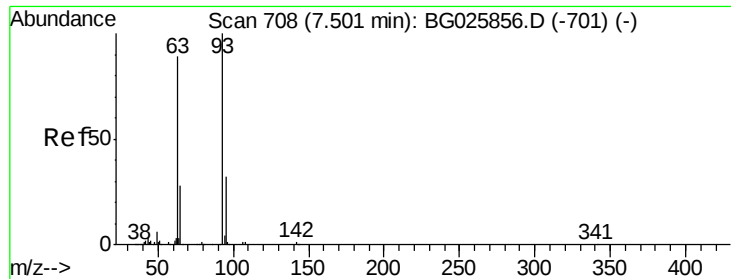
Delta R.T. -0.00 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:	94	Resp:	584803
Ion	Ratio	Lower	Upper
94	100		
65	27.6	20.6	60.6
66	33.3	35.5	75.5#





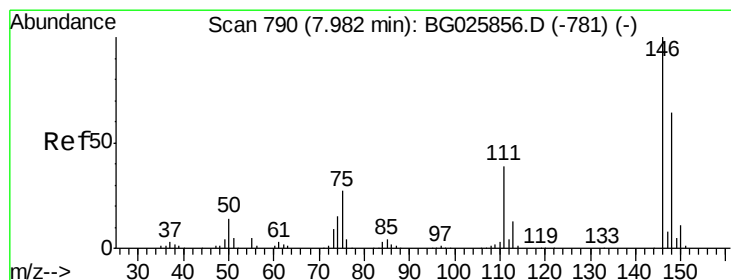
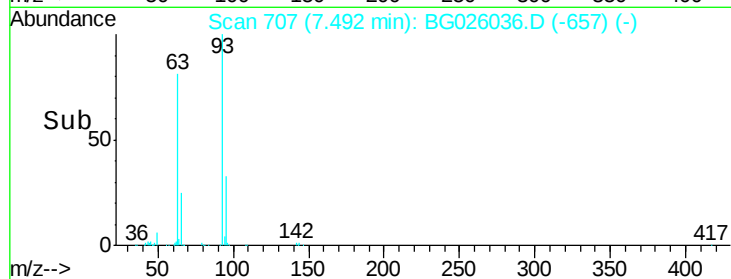
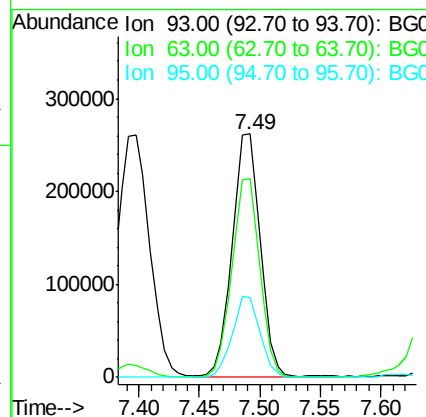
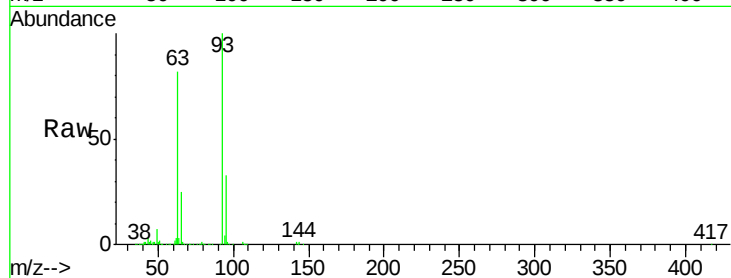
#11
bis(2-Chloroethyl)ether
Concen: 44.92 ng
RT: 7.49 min Scan# 707
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	426642		
63	81.9	78.5	118.5	
95	32.9	9.8	49.8	

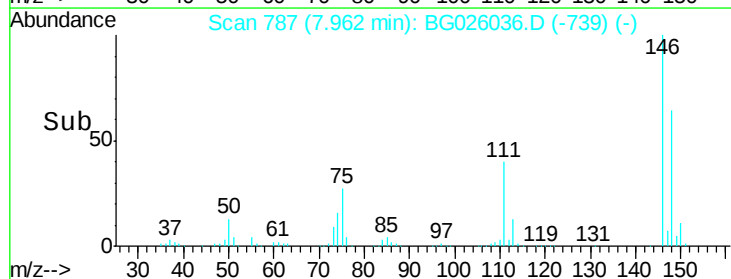
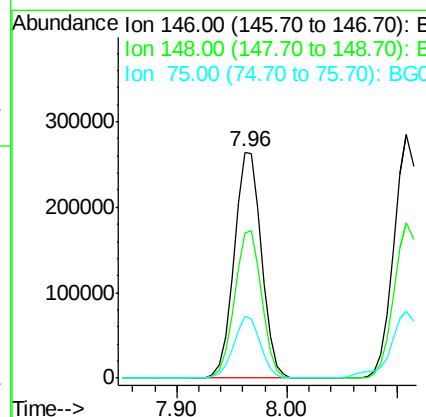
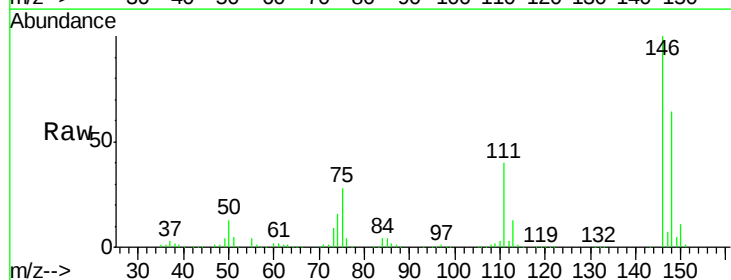
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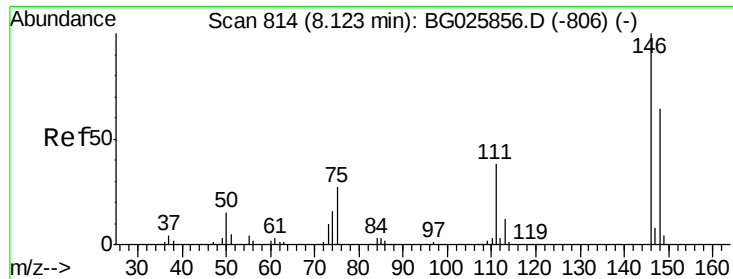
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#12
1,3-Dichlorobenzene
Concen: 46.37 ng
RT: 7.96 min Scan# 787
Delta R.T. -0.02 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	457704		
148	64.2	49.2	73.8	
75	27.7	33.4	50.2	





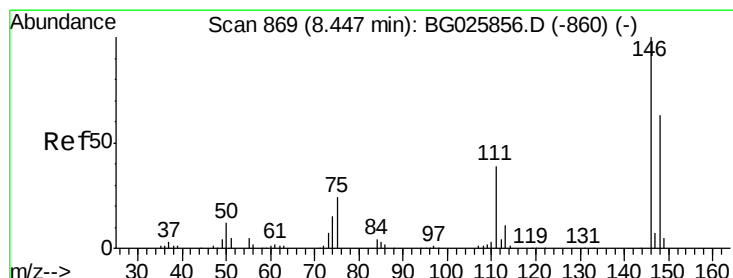
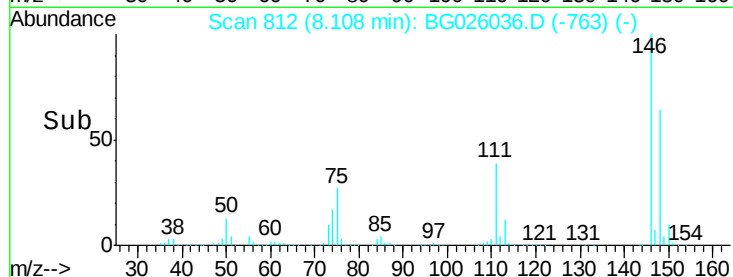
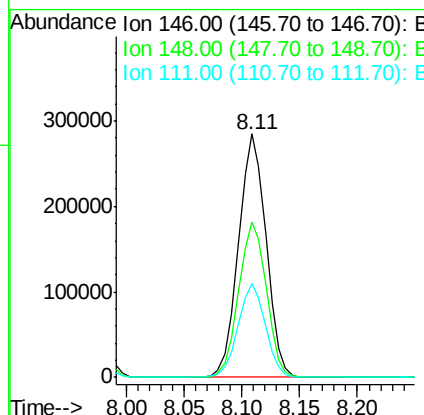
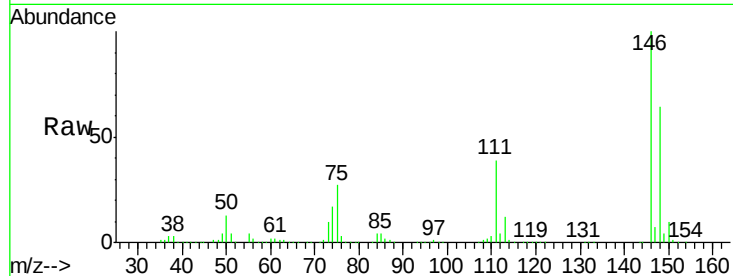
#13
1,4-Dichlorobenzene
Concen: 47.16 ng
RT: 8.11 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.2	78.2
111	38.6	37.0	55.6

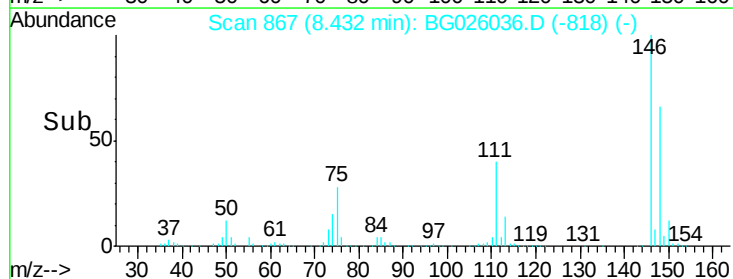
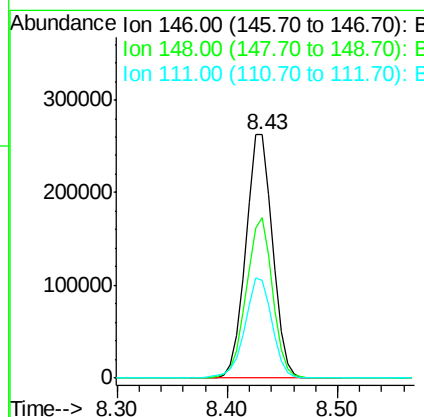
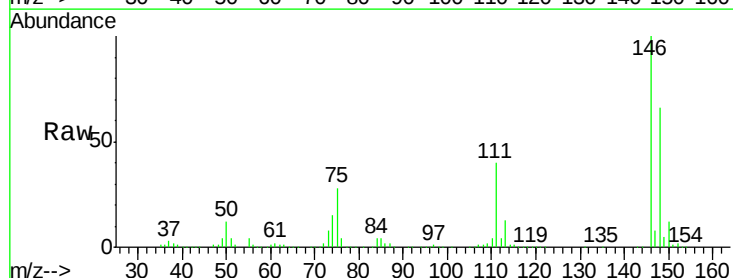
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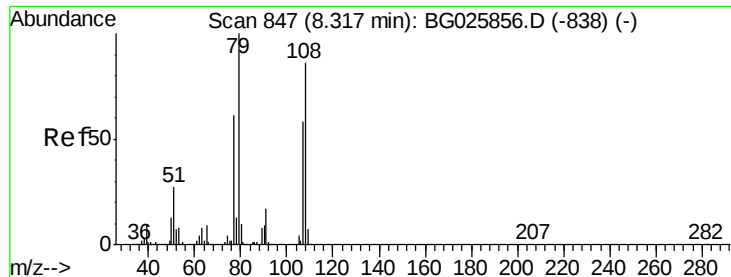
mohammad
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#14
1,2-Dichlorobenzene
Concen: 45.76 ng
RT: 8.43 min Scan# 867
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	54.6	81.8
111	40.2	39.7	59.5





#15

Benzyl Alcohol

Concen: 49.29 ng

RT: 8.30 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

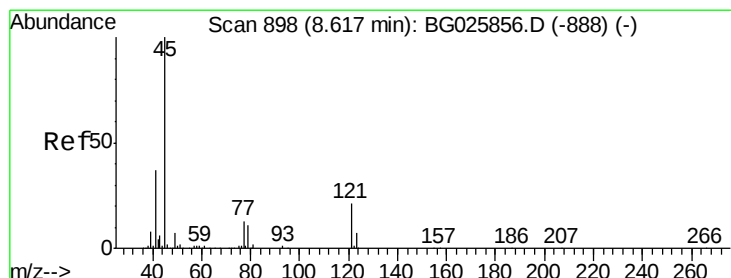
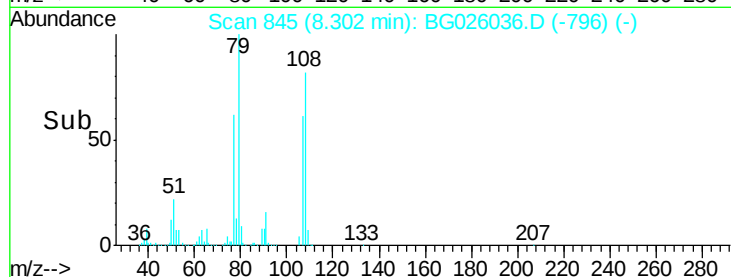
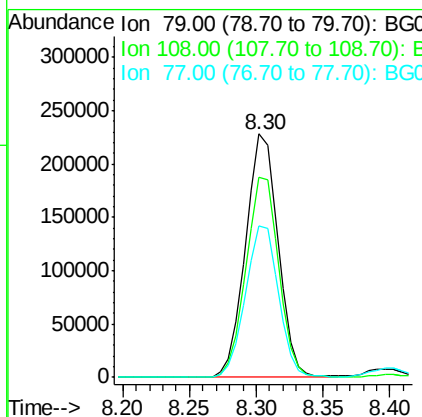
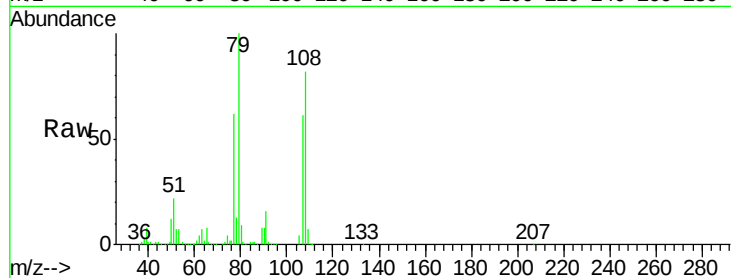
ClientSampleId :

4B-20MS

Tgt Ion:	79	Resp:	383784
Ion Ratio	Lower	Upper	
79	100		
108	82.3	45.5	68.3#
77	62.0	54.3	81.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.38 ng

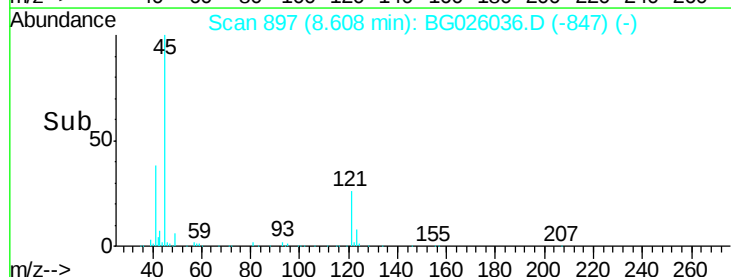
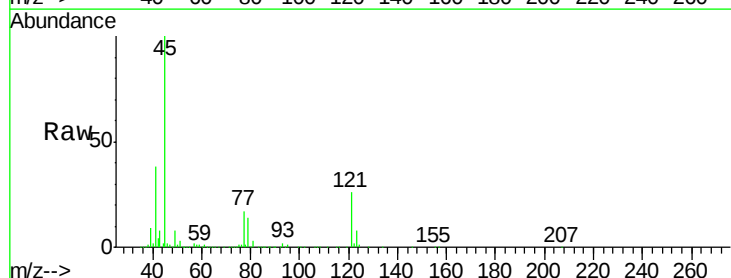
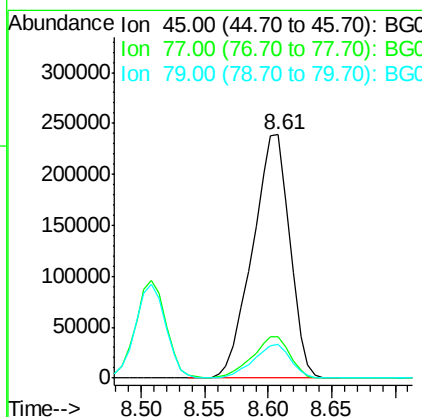
RT: 8.61 min Scan# 897

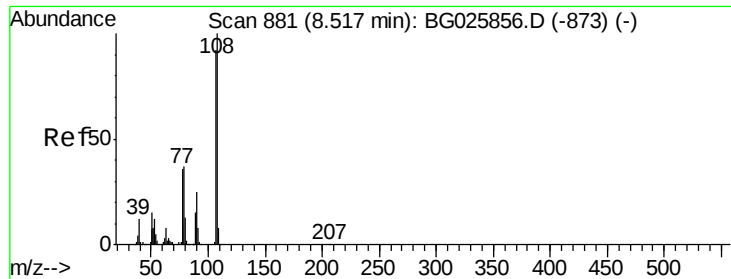
Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:	45	Resp:	487596
Ion Ratio	Lower	Upper	
45	100		
77	17.2	0.0	30.6
79	13.8	0.0	28.5





#17

2-Methylphenol

Concen: 47.11 ng

RT: 8.51 min Scan# 880

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

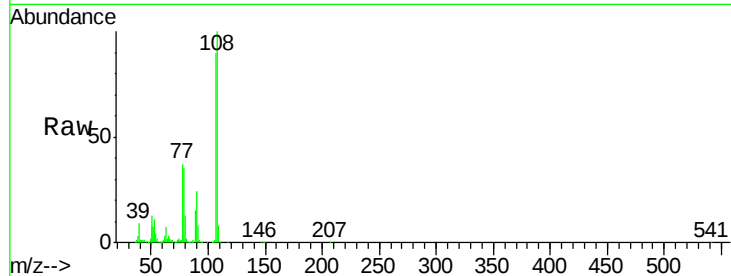
ClientSampleId :

4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.5	85.6	128.4	
77	41.0	51.4	77.2#	
79	39.5	49.2	73.8#	

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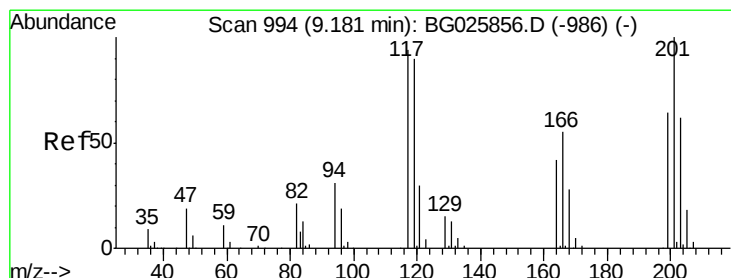
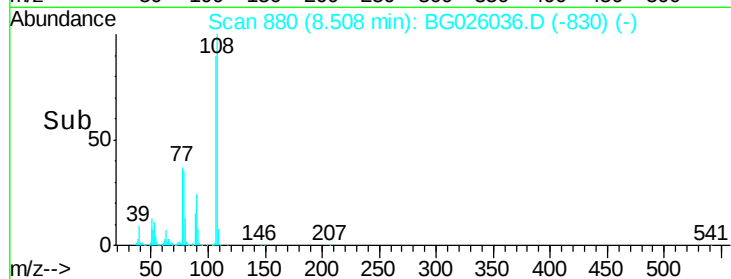
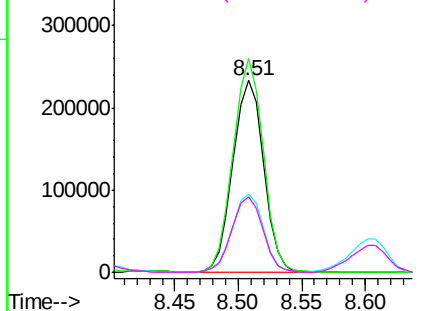


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 48.26 ng

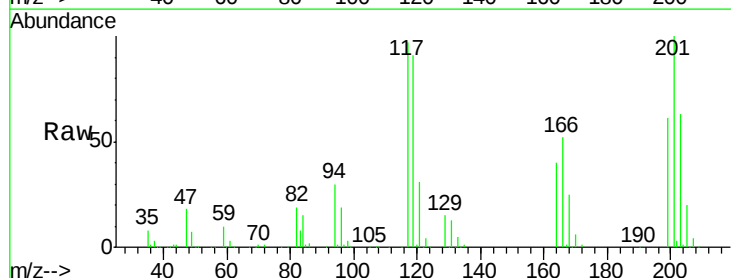
RT: 9.16 min Scan# 991

Delta R.T. -0.02 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

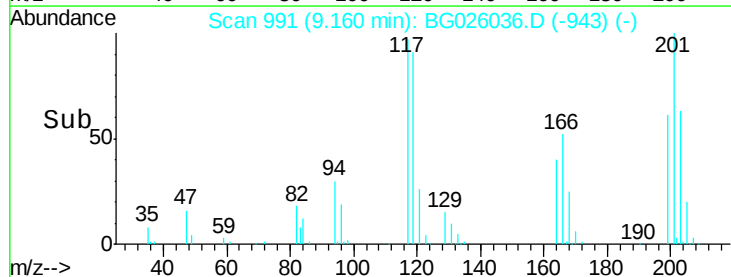
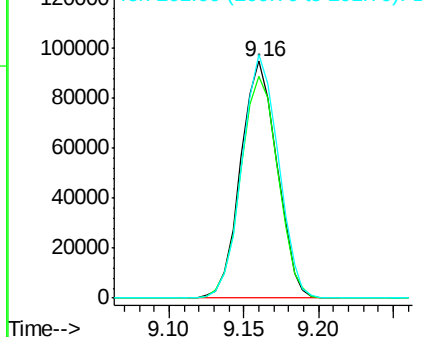
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.8	69.8	104.6	
201	102.8	95.4	143.0	

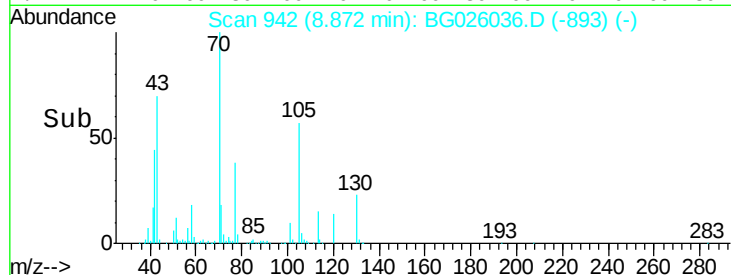
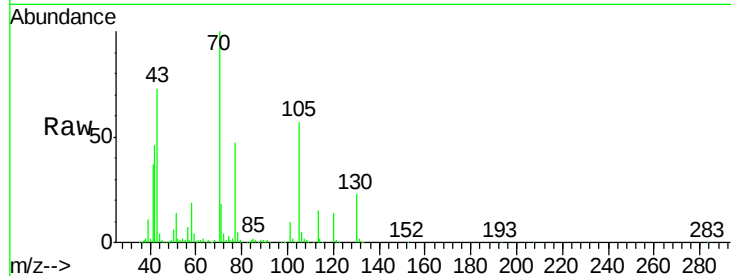
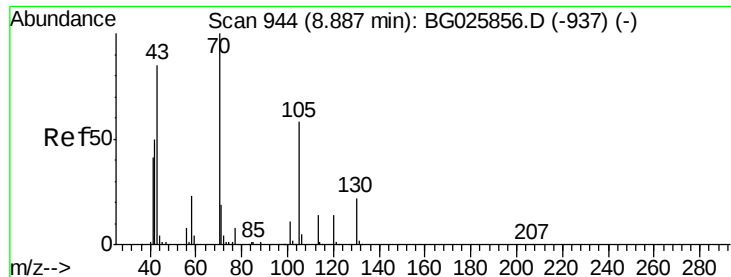


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





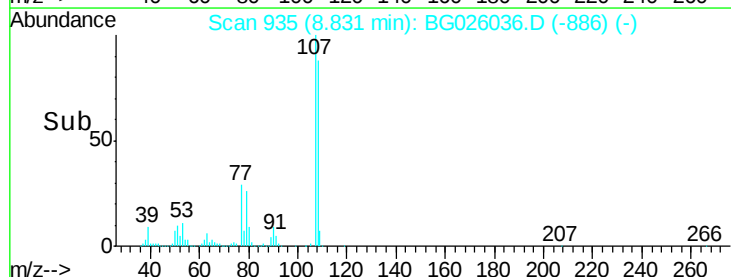
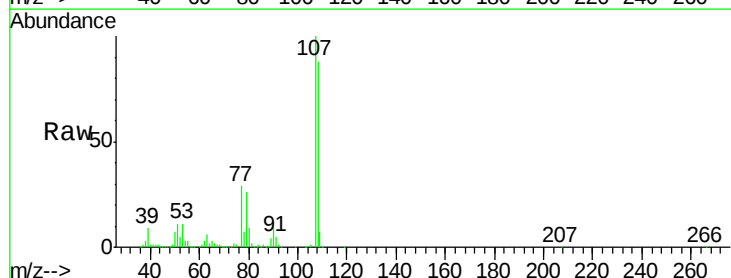
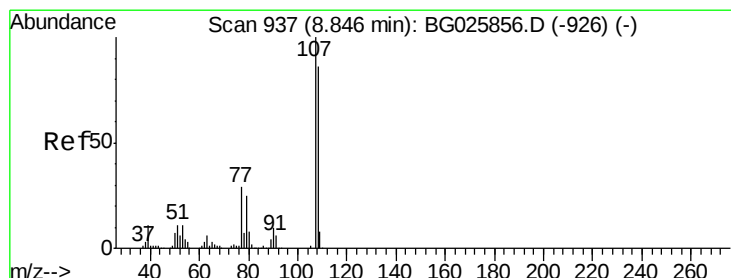
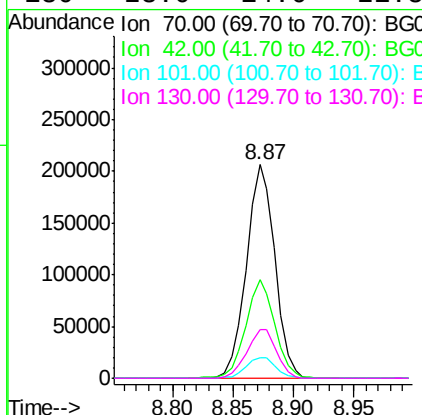
#19
n-Nitroso-di-n-propylamine
Concen: 43.39 ng
RT: 8.87 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.2	56.1	84.1#
101	9.7	7.5	11.3
130	23.0	14.6	21.8#

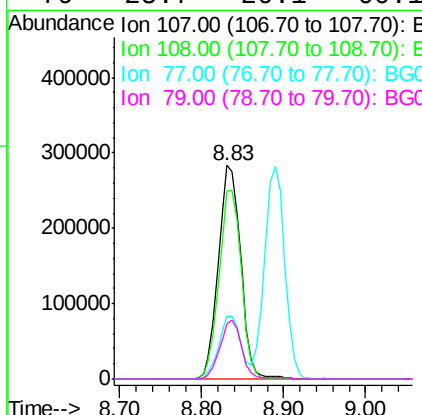
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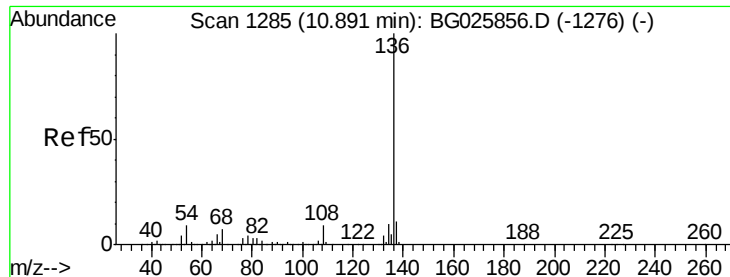
mohammad
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#20
3+4-Methylphenols
Concen: 45.51 ng
RT: 8.83 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.1	70.8	110.8
77	29.2	25.8	65.8
79	25.7	20.1	60.1





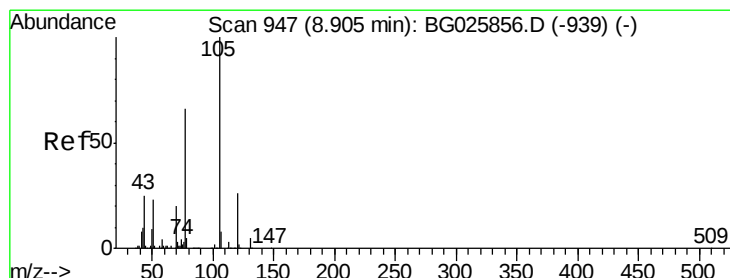
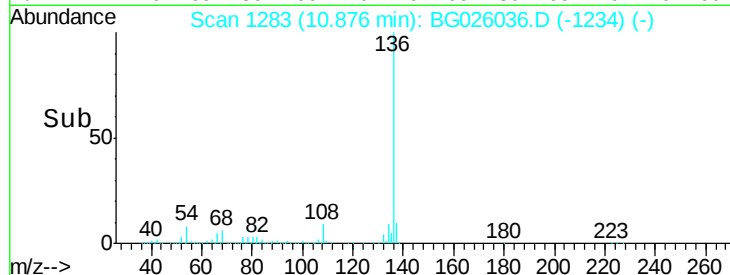
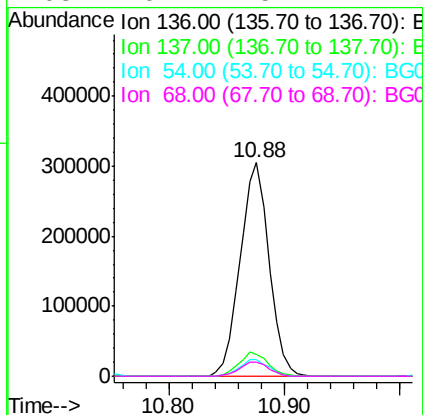
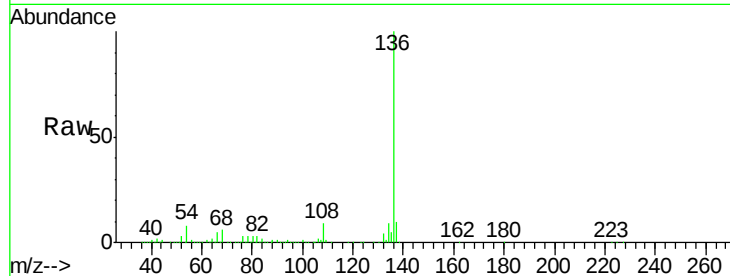
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.0	8.9	13.3
54	7.7	9.3	13.9#
68	6.4	5.1	7.7

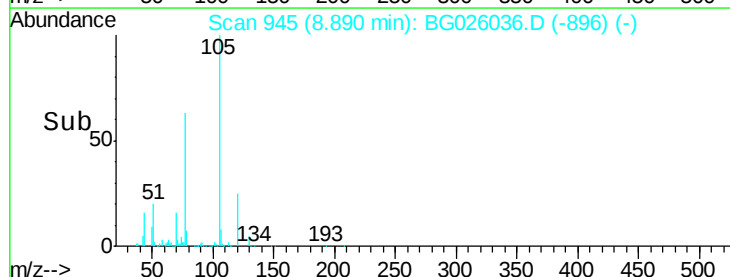
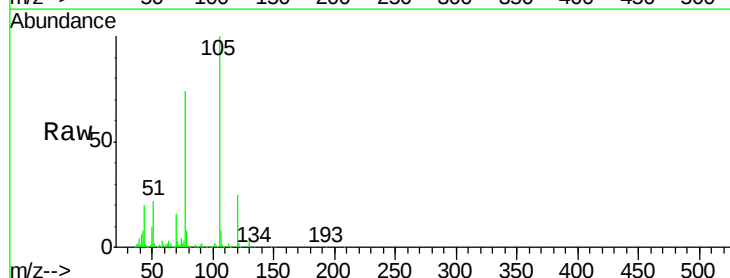
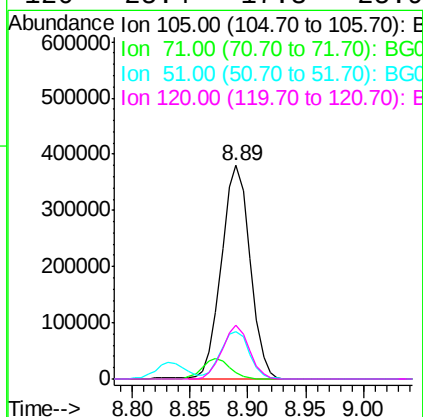
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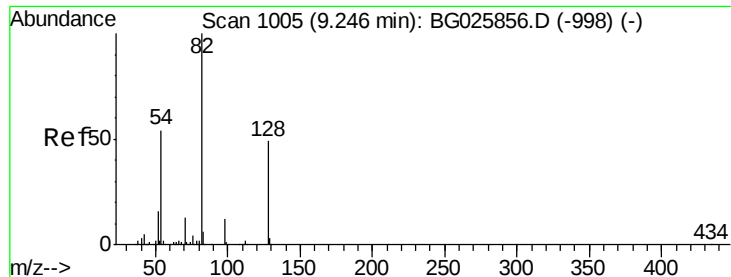
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#22
Acetophenone
Concen: 51.19 ng
RT: 8.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	2.8	0.9	1.3#
51	22.2	34.0	51.0#
120	25.4	17.3	25.9





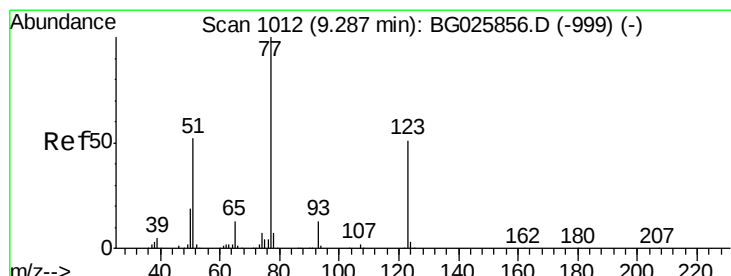
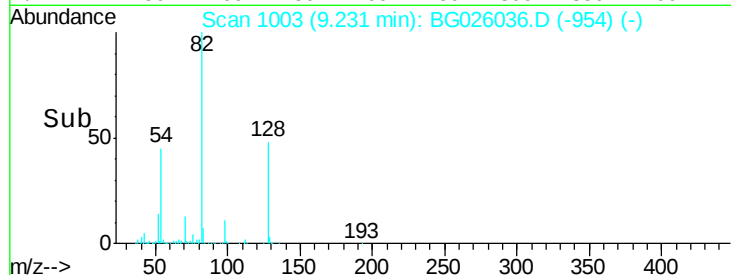
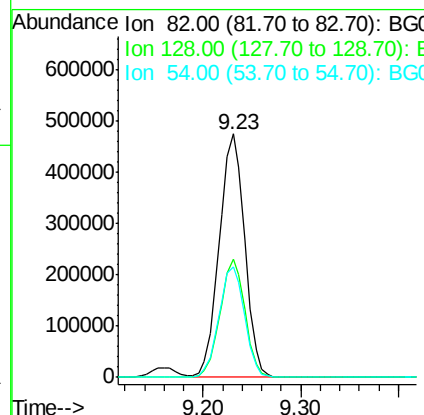
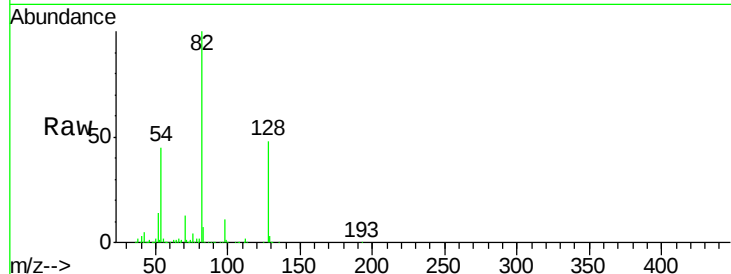
#23
 Nitrobenzene-d5
 Concen: 101.88 ng
 RT: 9.23 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.4	26.4	39.6#
54	45.3	49.4	74.2#

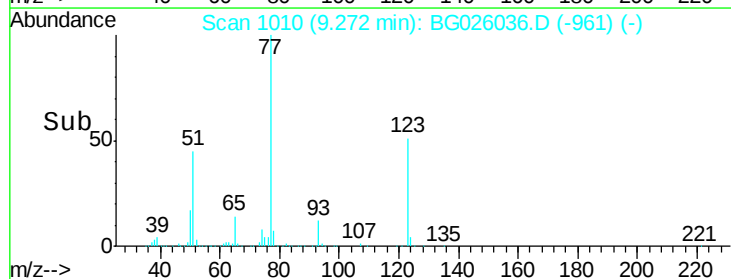
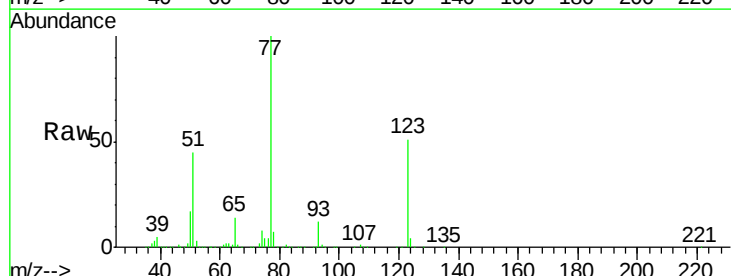
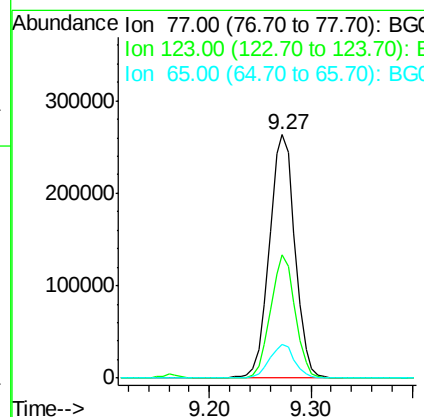
Manual Integrations
 APPROVED

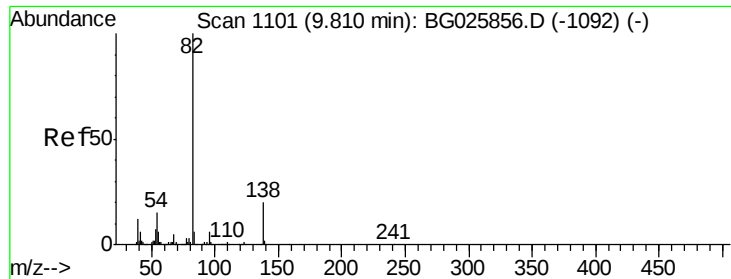
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#24
 Nitrobenzene
 Concen: 51.20 ng
 RT: 9.27 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.6	26.1	39.1#
65	14.0	12.4	18.6





#25

Isophorone

Concen: 50.79 ng

RT: 9.79 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

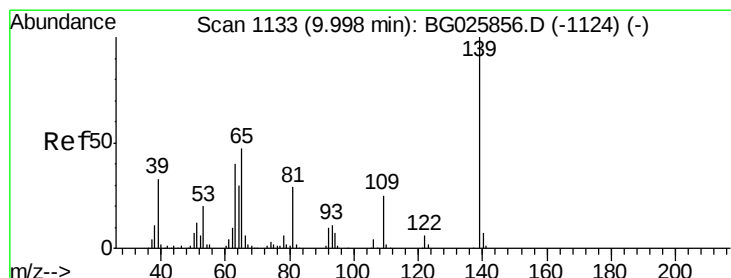
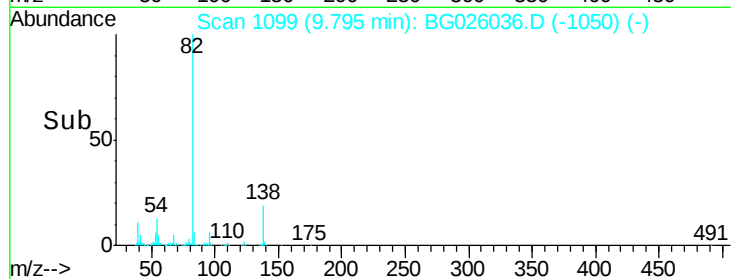
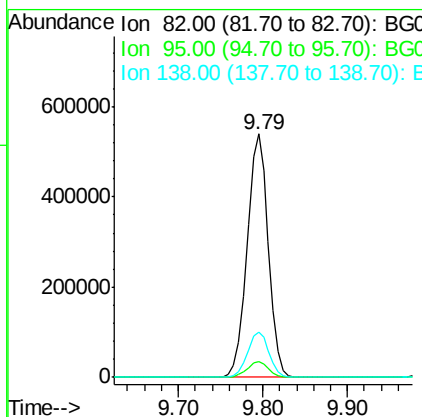
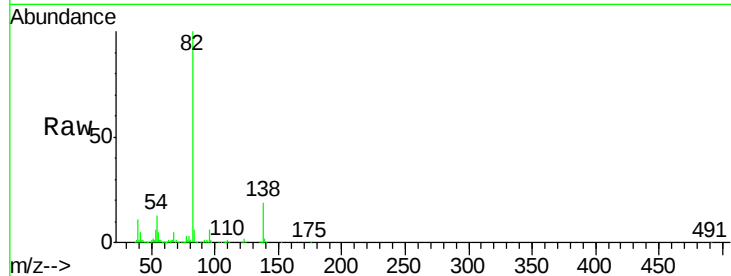
ClientSampleId :

4B-20MS

Tgt Ion:	82	Resp:	936233
Ion Ratio	Lower	Upper	
82	100		
95	6.3	7.5	11.3#
138	18.8	12.3	18.5#

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#26

2-Nitrophenol

Concen: 58.07 ng

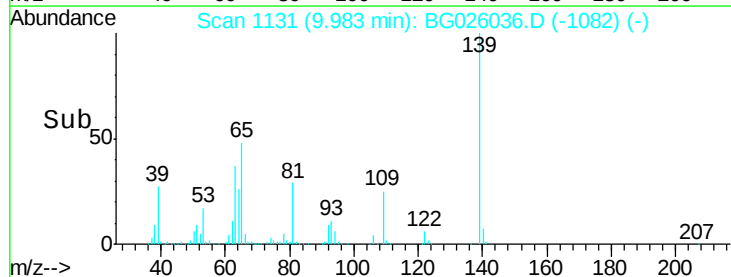
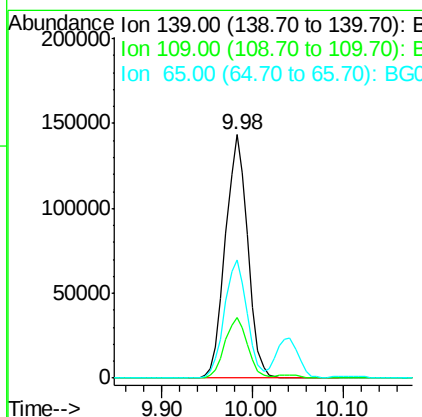
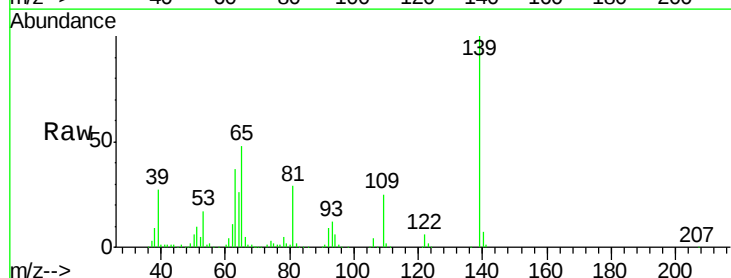
RT: 9.98 min Scan# 1131

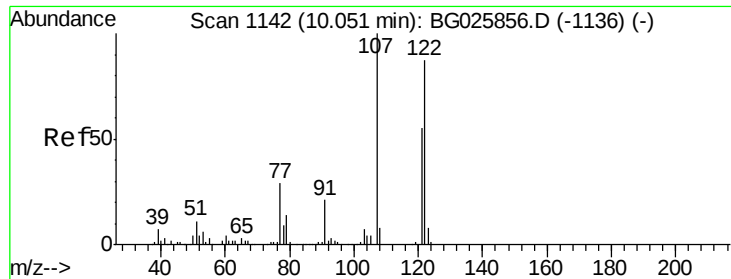
Delta R.T. -0.01 min

Lab File: BG026036.D

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Tgt Ion:	139	Resp:	246003
Ion Ratio	Lower	Upper	
139	100		
109	25.0	38.6	58.0#
65	48.3	57.1	85.7#





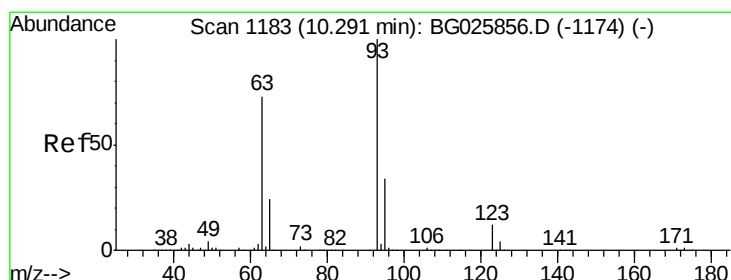
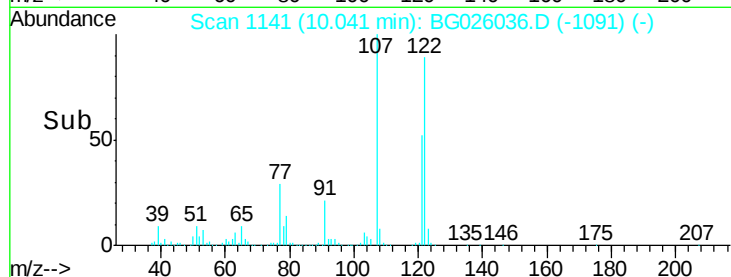
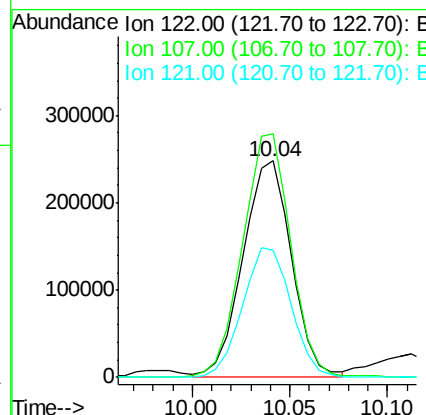
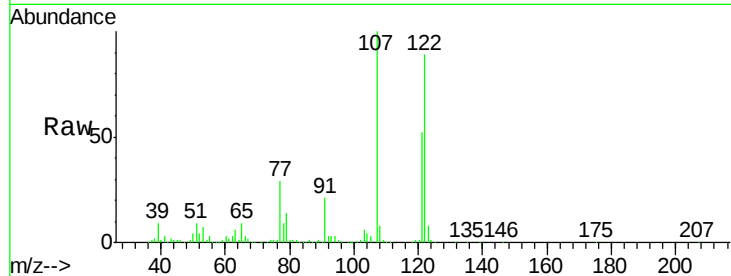
#27
 2,4-Dimethylphenol
 Concen: 53.71 ng
 RT: 10.04 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.6	104.2	156.4
121	58.8	46.0	69.0

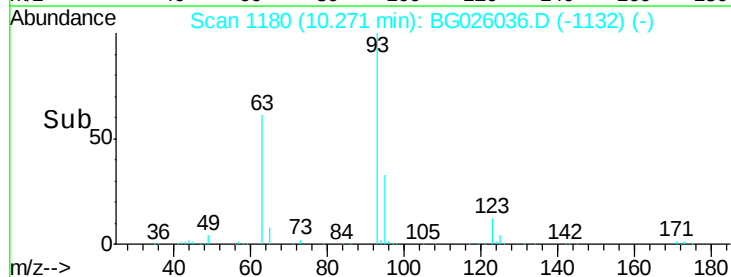
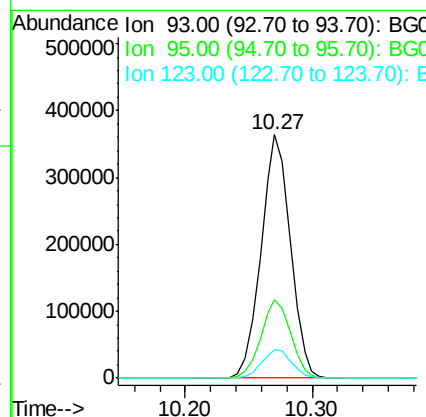
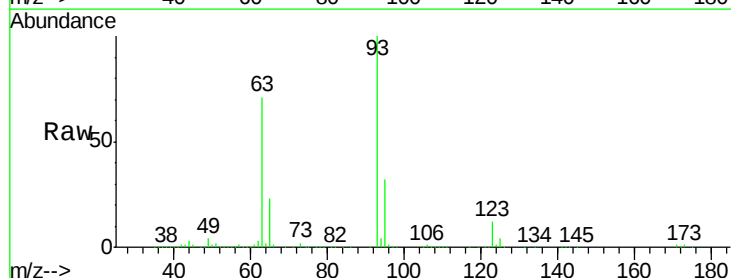
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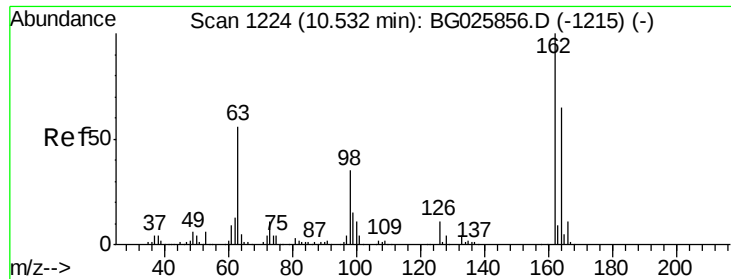
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#28
 bis(2-Chloroethoxy)methane
 Concen: 50.00 ng
 RT: 10.27 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.7	38.5
123	11.8	8.3	12.5





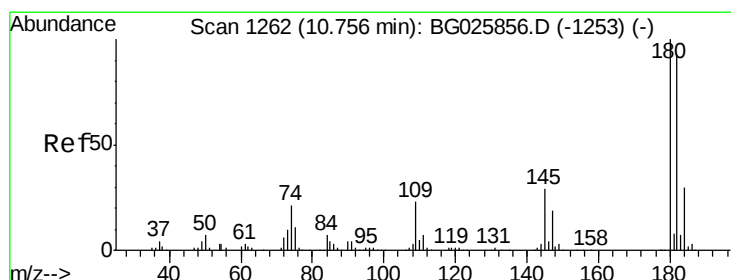
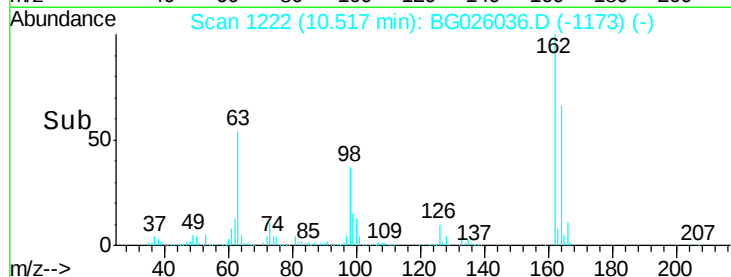
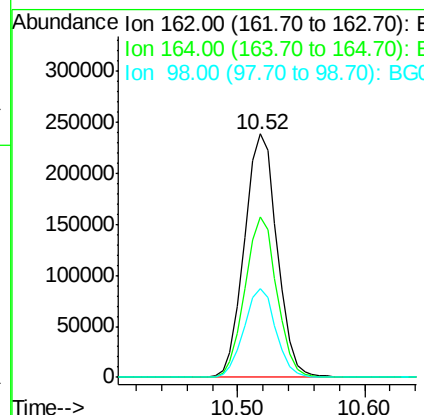
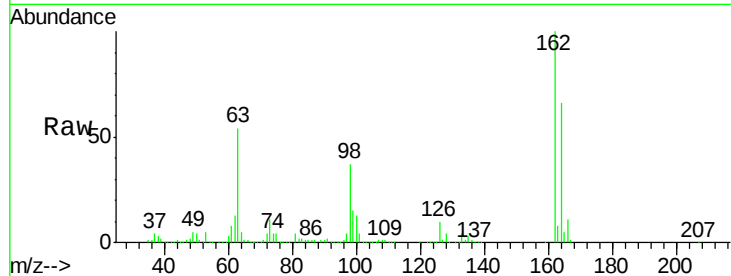
#29
2,4-Dichlorophenol
Concen: 56.58 ng
RT: 10.52 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion:	162	Resp:	426969
Ion Ratio	Lower	Upper	
162	100		
164	66.1	42.4	82.4
98	36.6	20.3	60.3

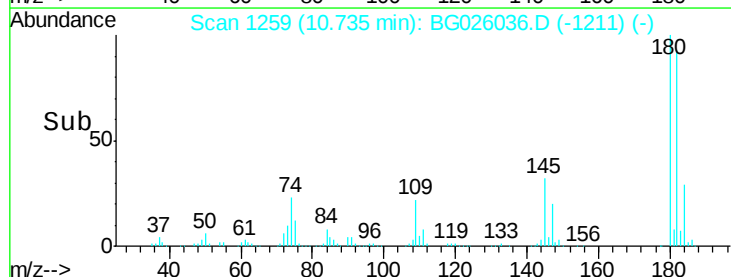
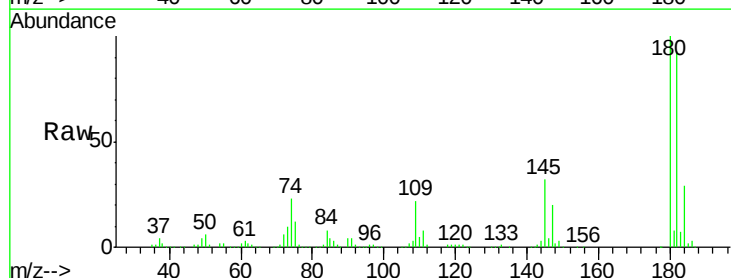
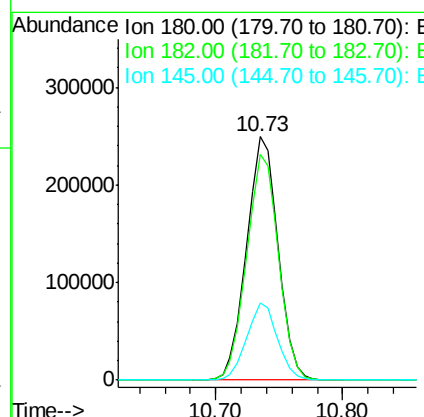
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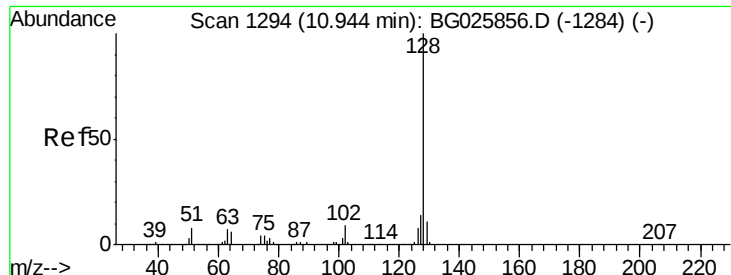
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#30
1,2,4-Trichlorobenzene
Concen: 52.38 ng
RT: 10.73 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion:	180	Resp:	429868
Ion Ratio	Lower	Upper	
180	100		
182	92.8	77.0	115.4
145	31.9	23.4	35.0





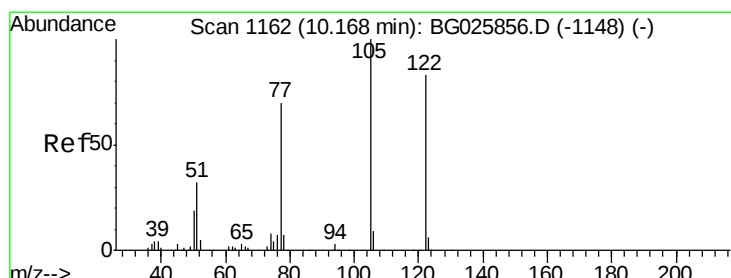
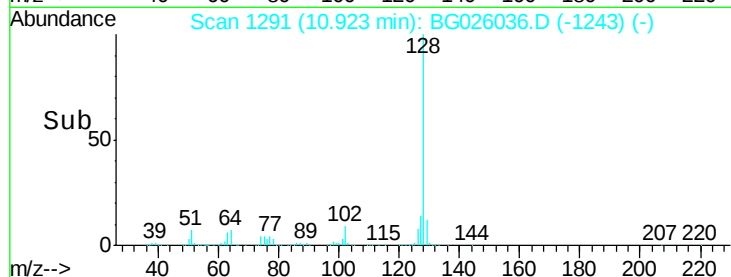
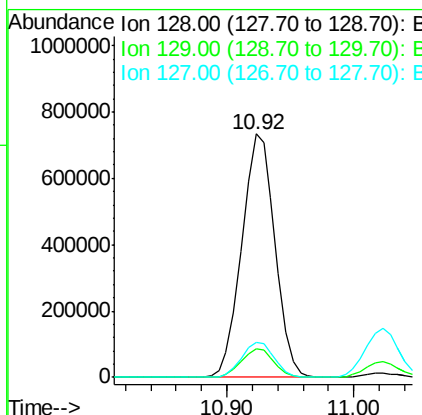
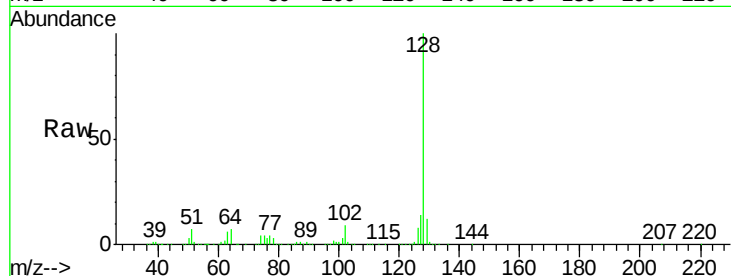
#31
Naphthalene
Concen: 48.67 ng
RT: 10.92 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampled :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	14.4	11.4	17.0

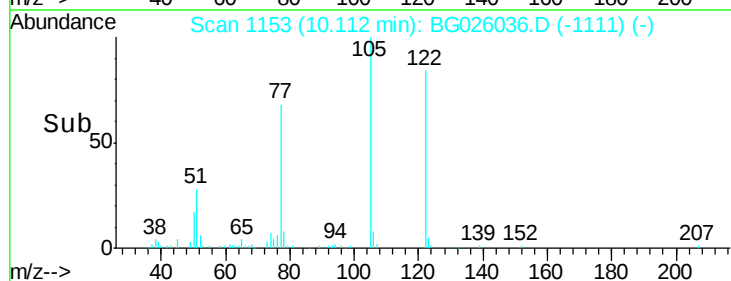
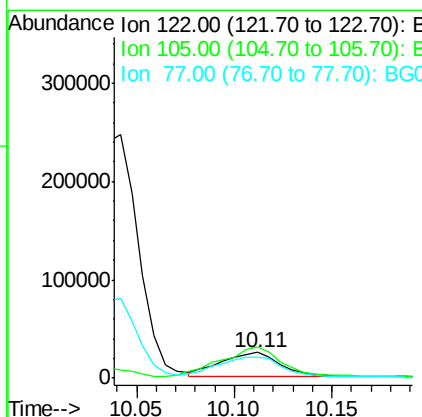
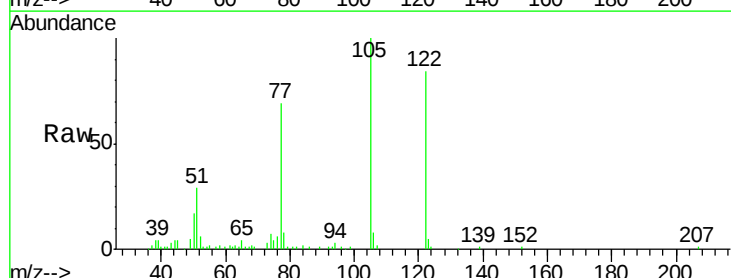
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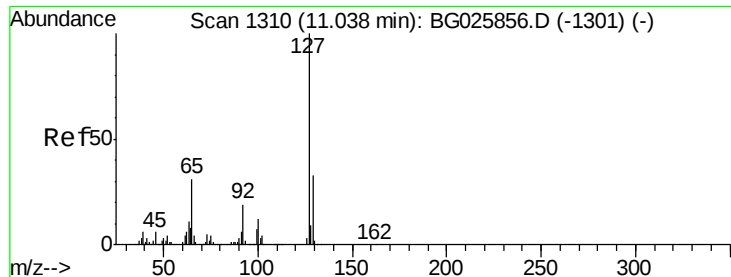
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#32
Benzoic acid
Concen: 8.68 ng
RT: 10.11 min Scan# 1153
Delta R.T. -0.06 min
Lab File: BG026036.D
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Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.6	120.1	160.1#
77	81.9	104.6	144.6#





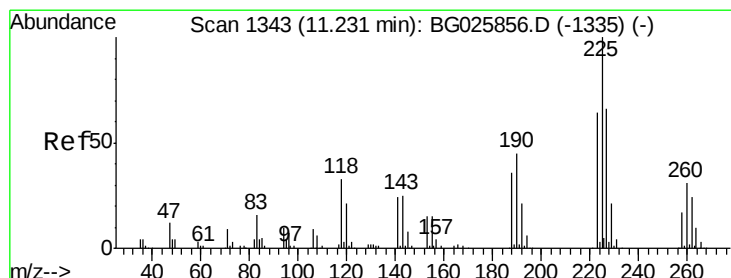
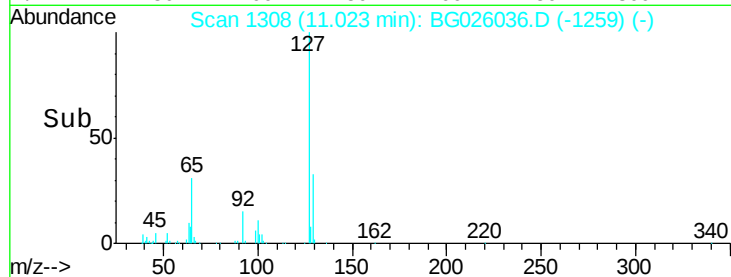
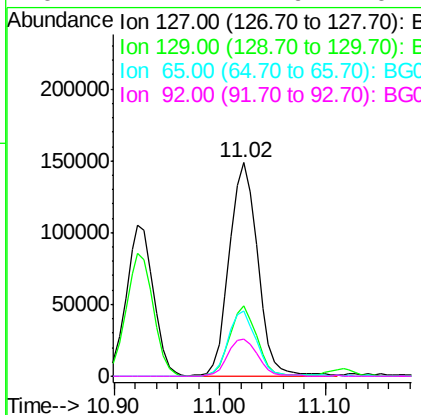
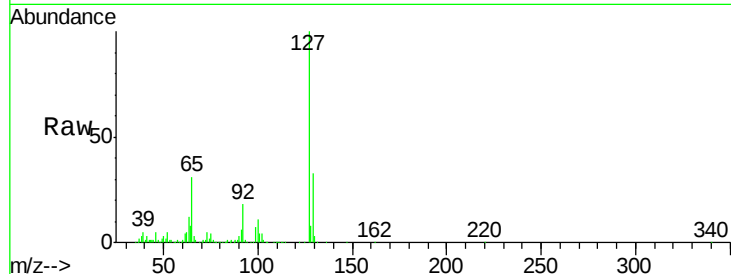
#33
4-Chloroaniline
Concen: 23.10 ng
RT: 11.02 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	274252		
129	32.8	23.6	35.4	
65	30.7	37.7	56.5	
92	17.7	17.6	26.4	

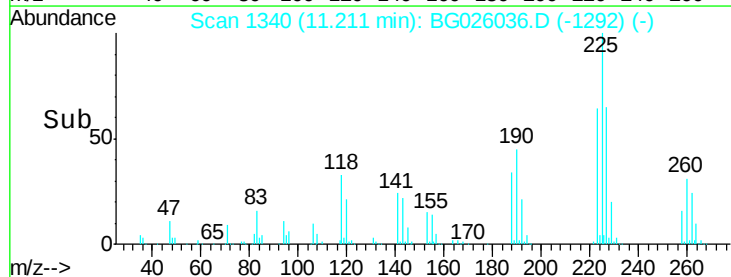
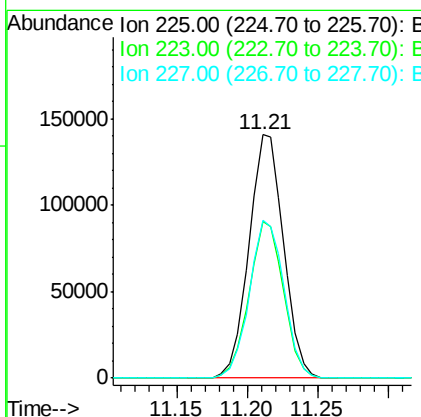
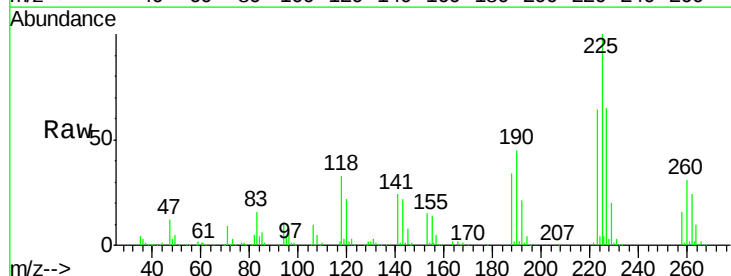
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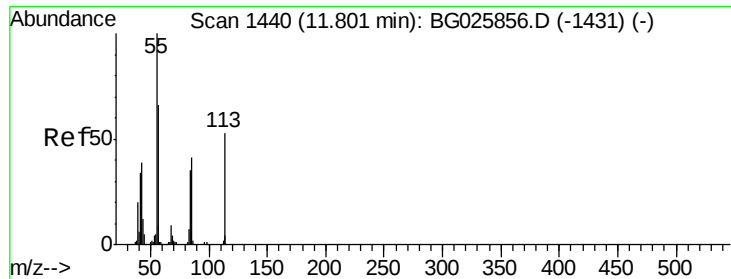
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#34
Hexachlorobutadiene
Concen: 51.81 ng
RT: 11.21 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	241939		
223	64.4	50.7	76.1	
227	65.0	49.0	73.6	





#35

Caprolactam

Concen: 52.27 ng m

RT: 11.79 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

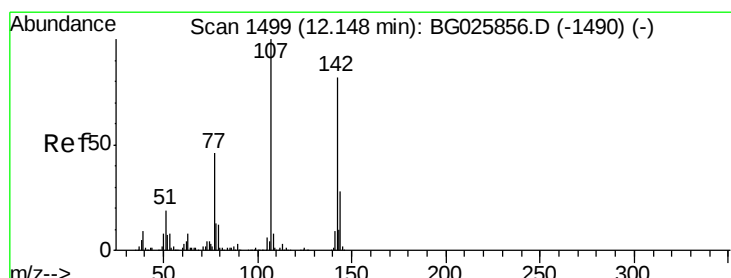
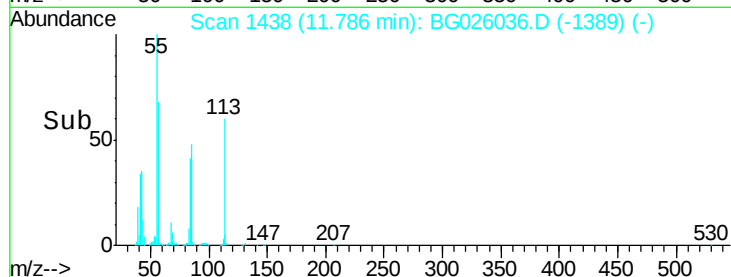
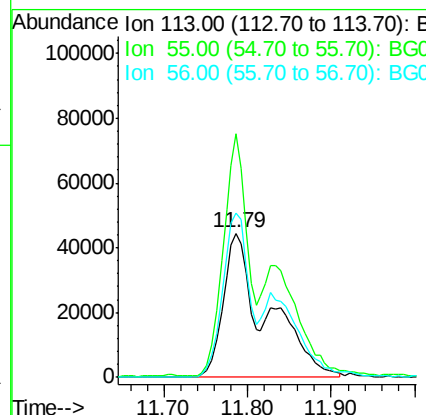
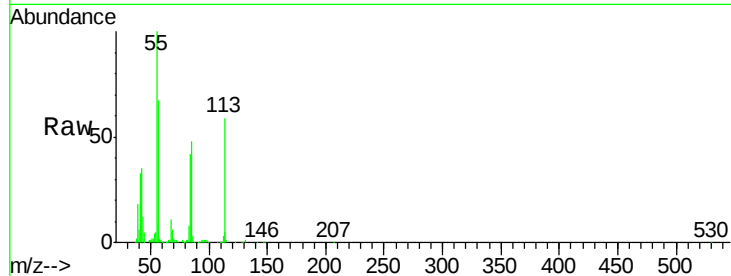
ClientSampleId :

4B-20MS

Tgt Ion:	113	Resp:	159285
Ion Ratio	Lower	Upper	
113	100		
55	168.6	198.6	238.6#
56	113.4	140.4	180.4#

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#36

4-Chloro-3-methylphenol

Concen: 51.55 ng

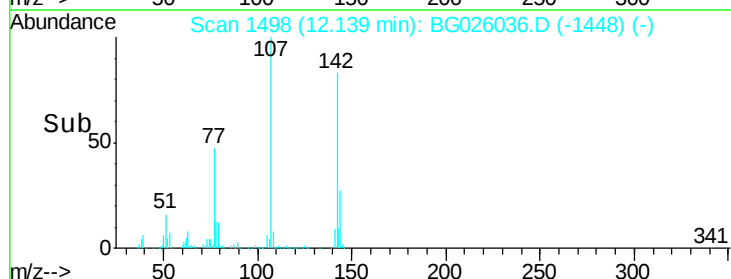
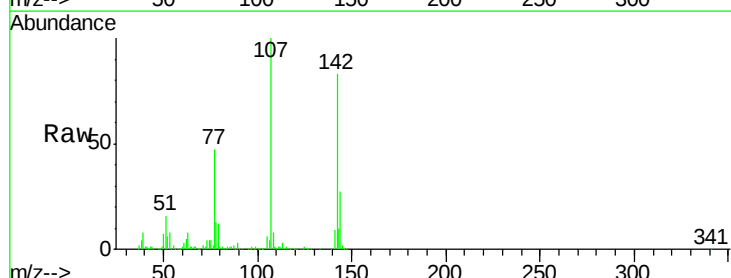
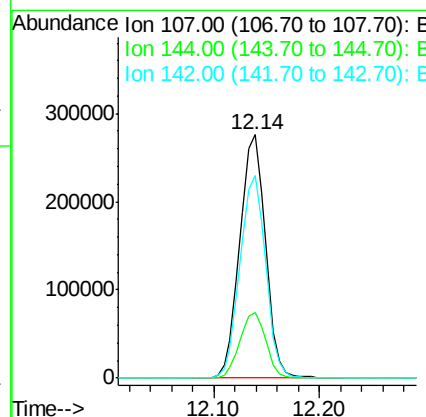
RT: 12.14 min Scan# 1498

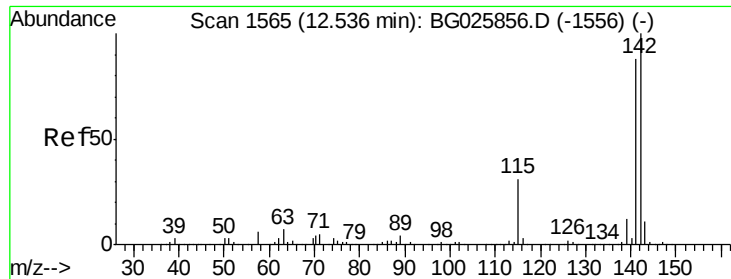
Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:	107	Resp:	465405
Ion Ratio	Lower	Upper	
107	100		
144	26.7	17.4	26.0#
142	83.4	54.1	81.1#





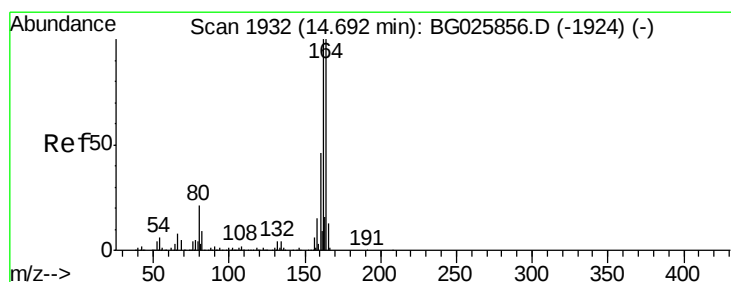
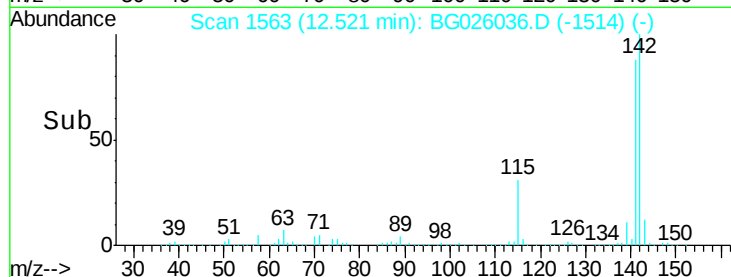
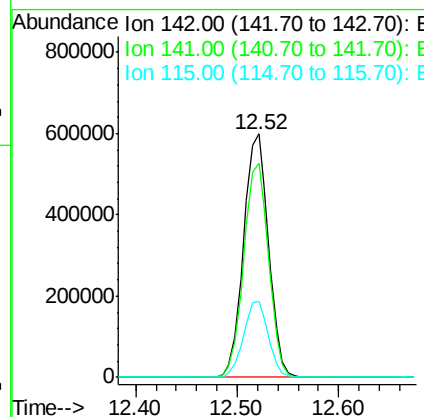
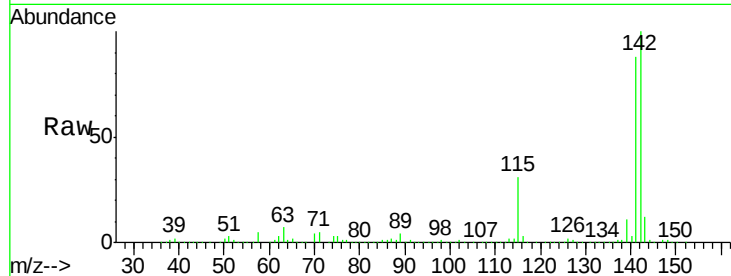
#37
 2-Methylnaphthalene
 Concen: 48.96 ng
 RT: 12.52 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.4	105.6
115	30.9	35.5	53.3

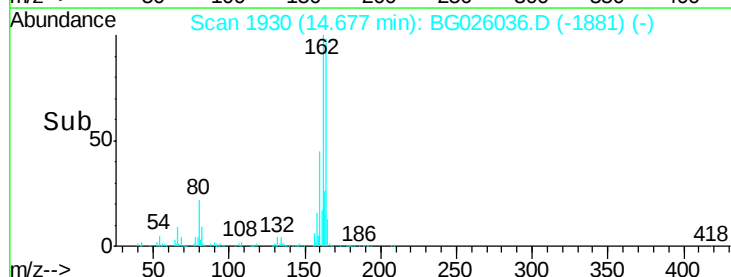
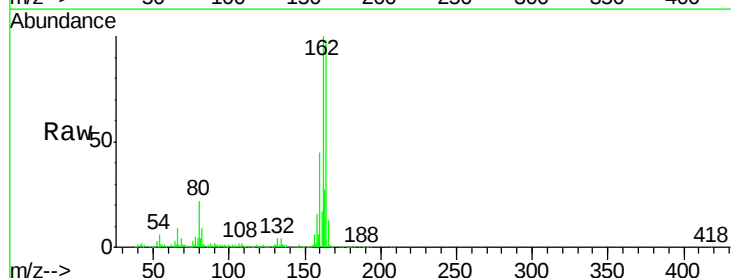
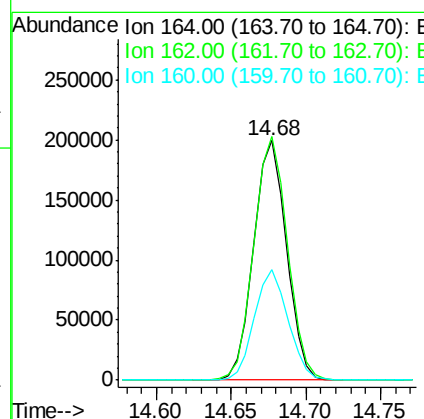
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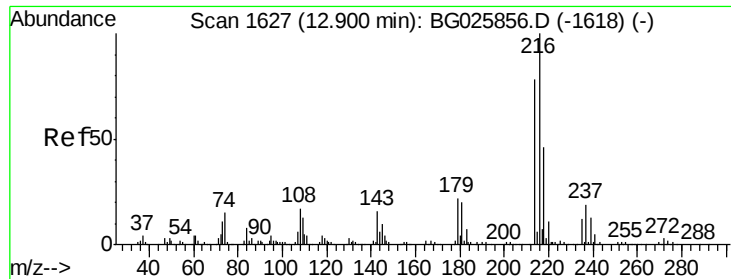
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.68 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	85.1	127.7
160	45.9	34.7	52.1





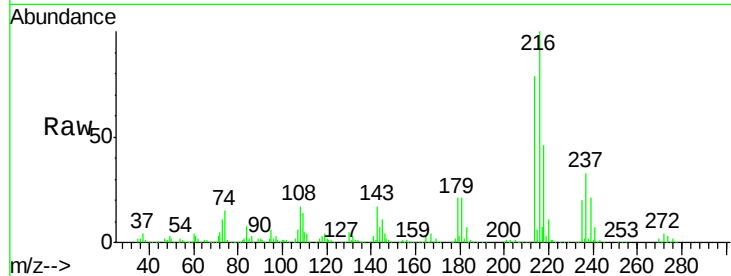
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 59.53 ng
 RT: 12.89 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

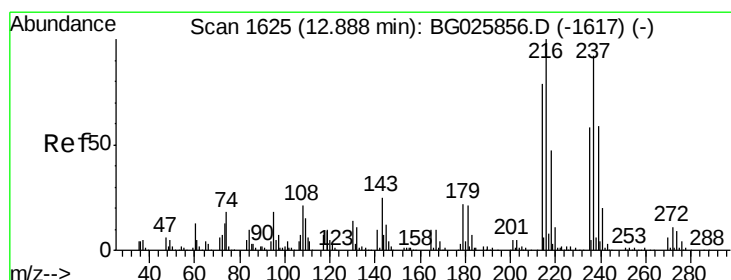
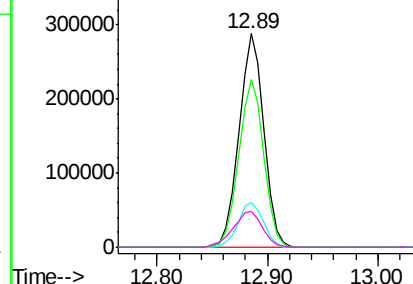
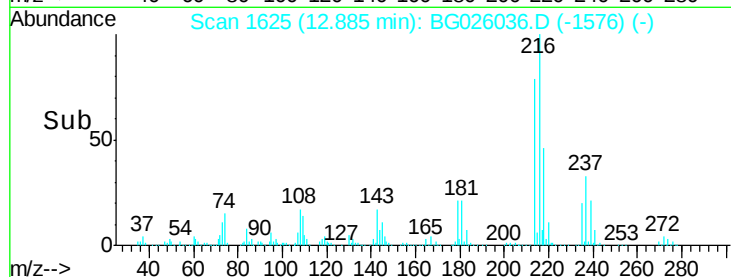
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	452316		
214	79.5	64.4	96.6	
179	21.4	17.4	26.0	
108	19.9	15.6	23.4	

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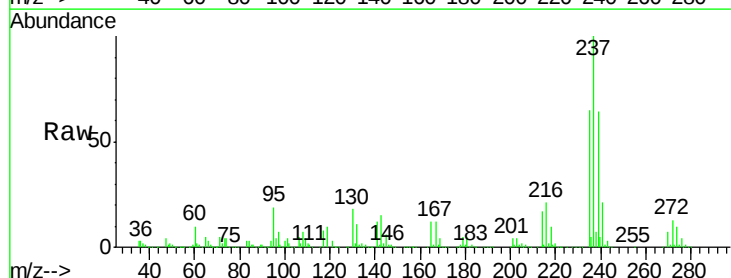


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

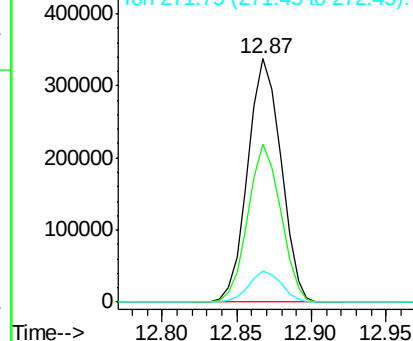
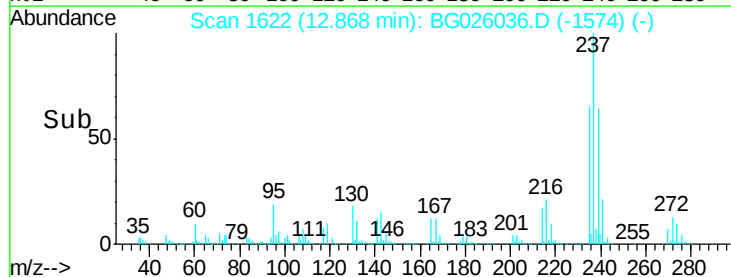


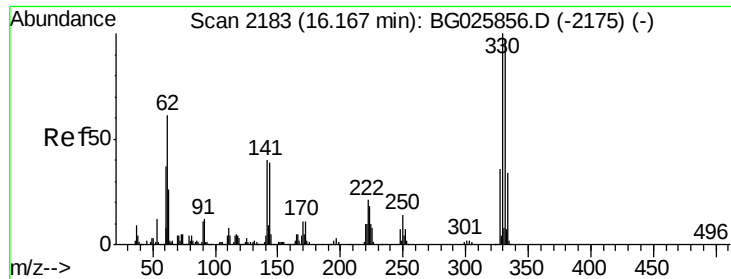
#40
 Hexachlorocyclopentadiene
 Concen: 125.39 ng
 RT: 12.87 min Scan# 1622
 Delta R.T. -0.02 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	521349		
235	64.9	39.4	79.4	
272	12.7	0.0	32.0	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





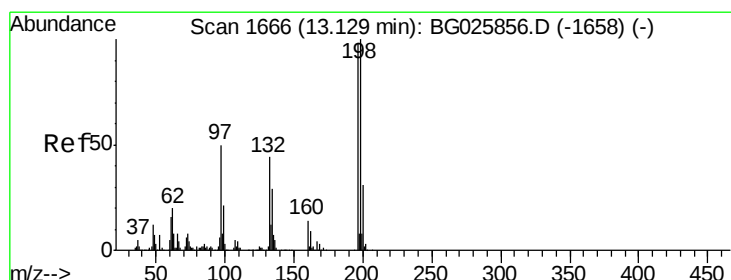
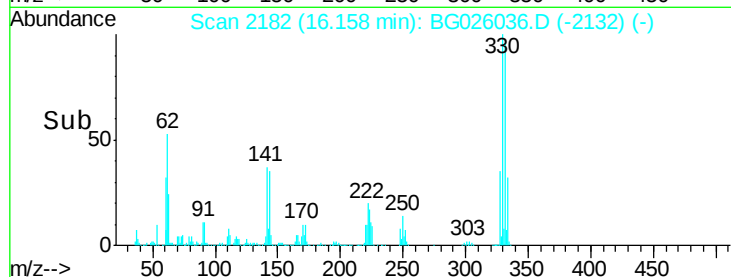
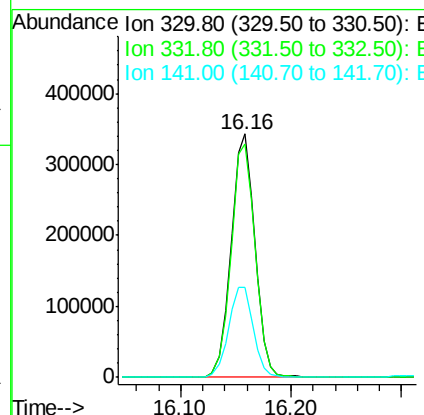
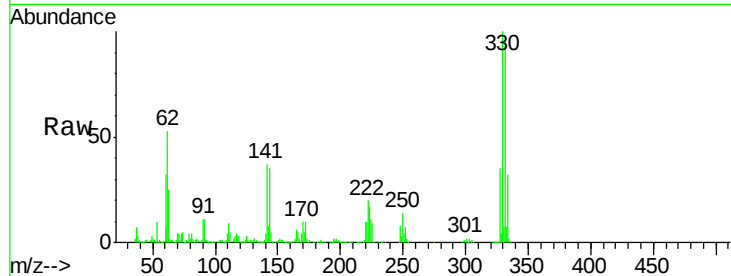
#41
 2,4,6-Tribromophenol
 Concen: 185.11 ng
 RT: 16.16 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	518444		
332	97.3	77.3	115.9	
141	38.3	32.1	48.1	

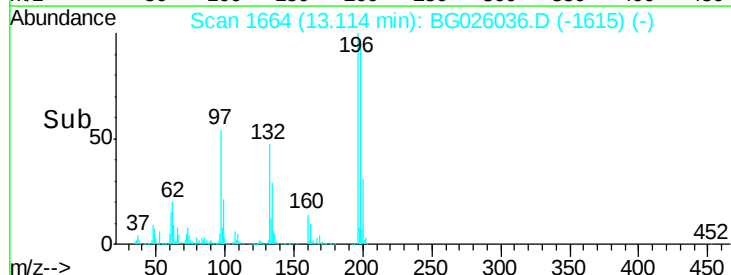
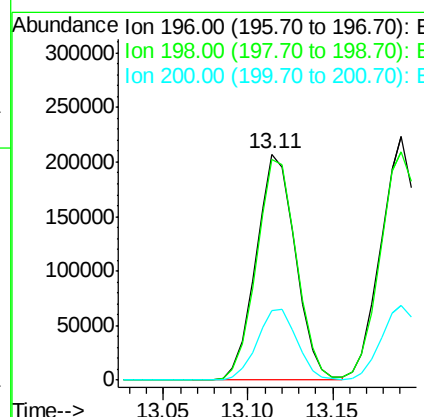
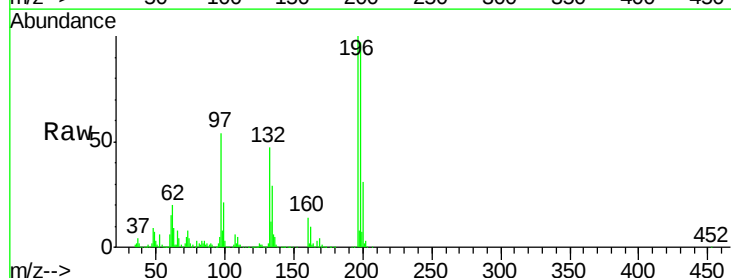
Manual Integrations
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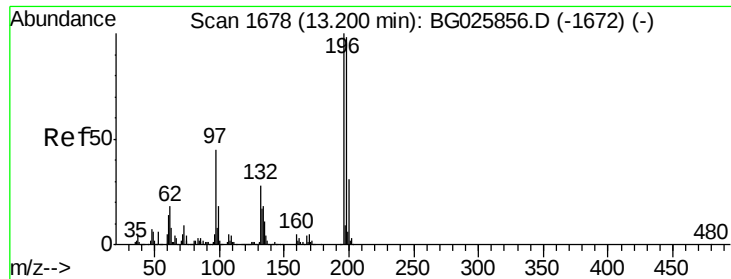
mohammad
 3/3/2017 10:56:44 AM



#42
 2,4,6-Trichlorophenol
 Concen: 68.07 ng
 RT: 13.11 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	334045		
198	97.5	81.4	122.2	
200	31.0	27.0	40.6	





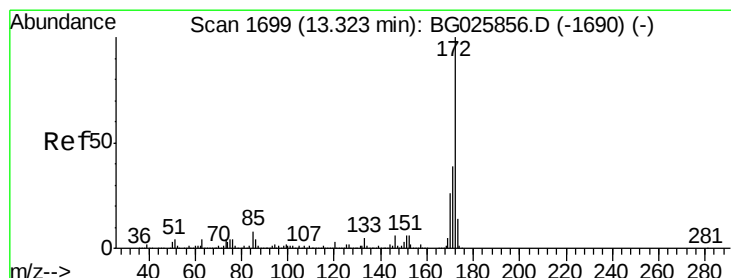
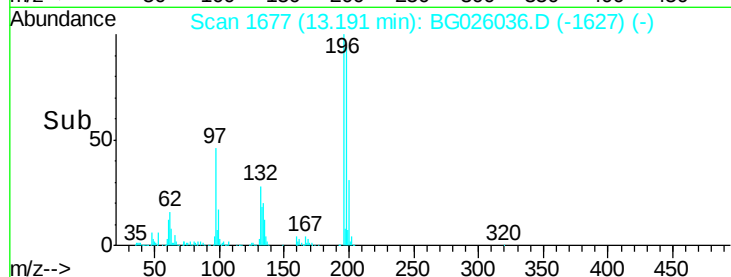
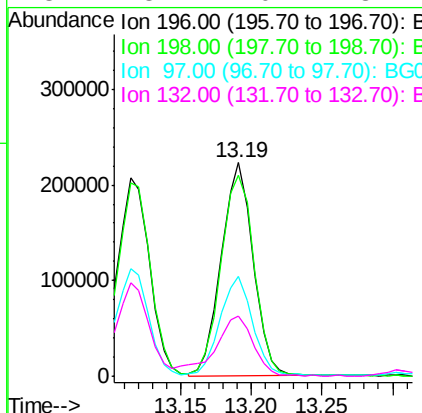
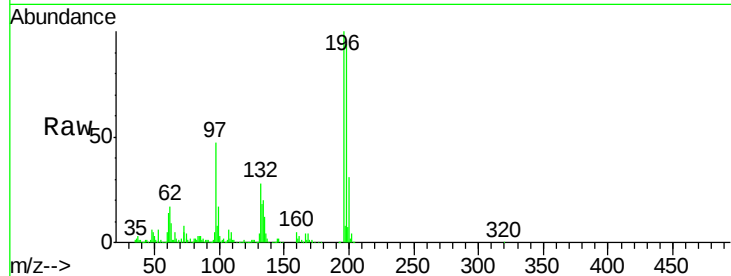
#43
2,4,5-Trichlorophenol
Concen: 62.93 ng
RT: 13.19 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	350573		
198	93.8	79.9	119.9	
97	46.7	45.4	68.0	
132	28.4	20.7	31.1	

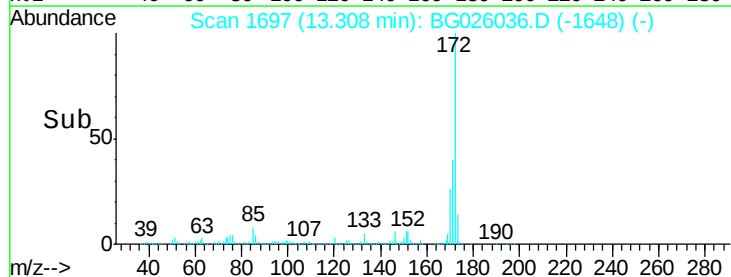
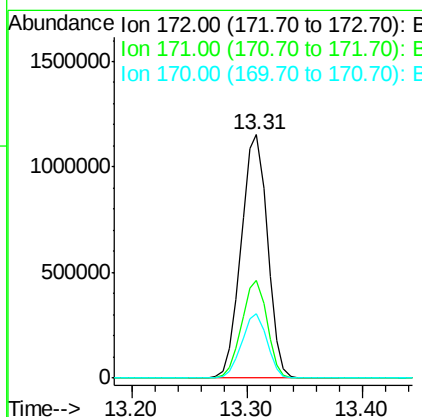
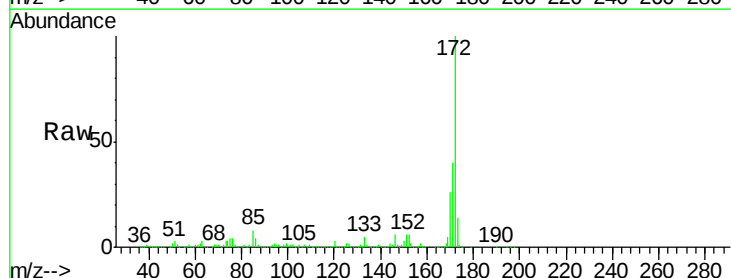
Manual Integrations
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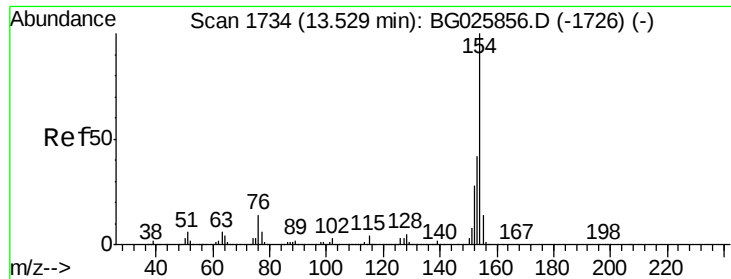
mohammad
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#44
2-Fluorobiphenyl
Concen: 105.09 ng
RT: 13.31 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1823237		
171	40.0	32.2	48.2	
170	26.3	21.8	32.6	





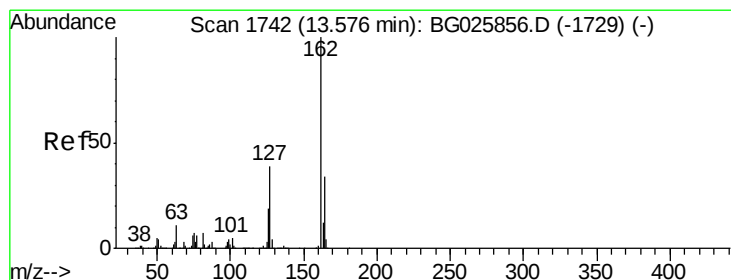
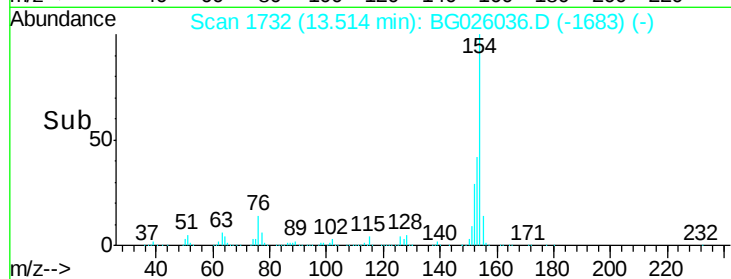
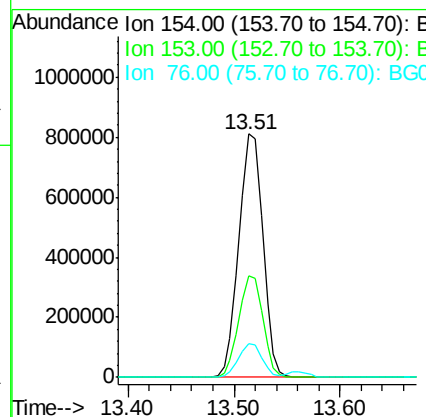
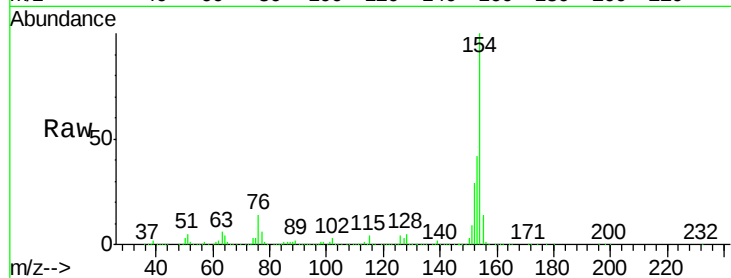
#45
 1,1'-Biphenyl
 Concen: 58.06 ng
 RT: 13.51 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	23.0	63.0
76	13.7	0.0	33.5

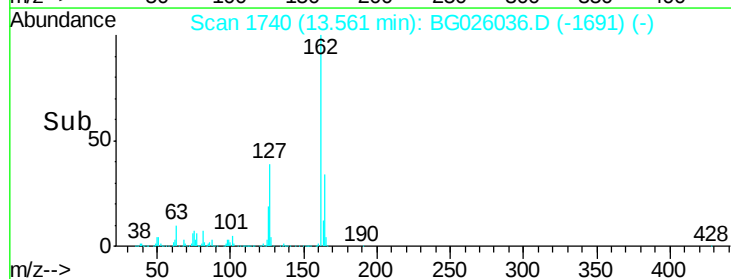
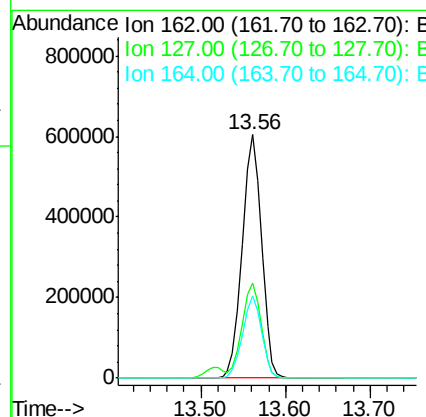
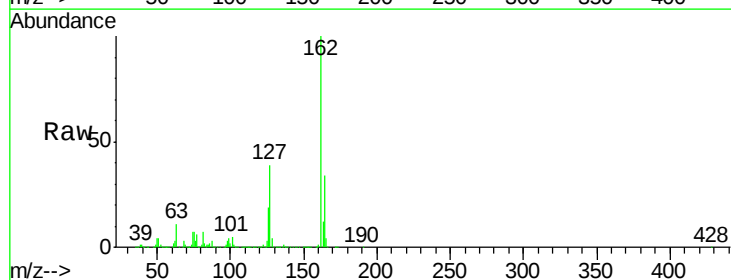
Manual Integrations
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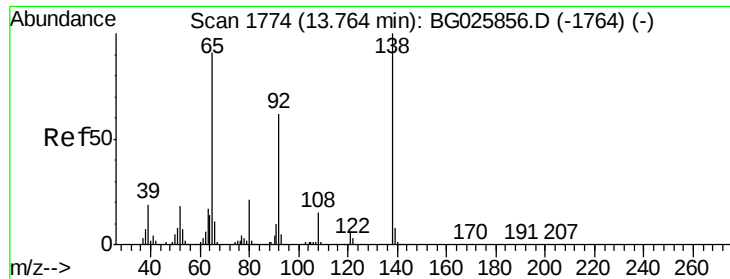
mohammad
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#46
 2-Chloronaphthalene
 Concen: 59.55 ng
 RT: 13.56 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.2	48.4
164	34.1	27.3	40.9





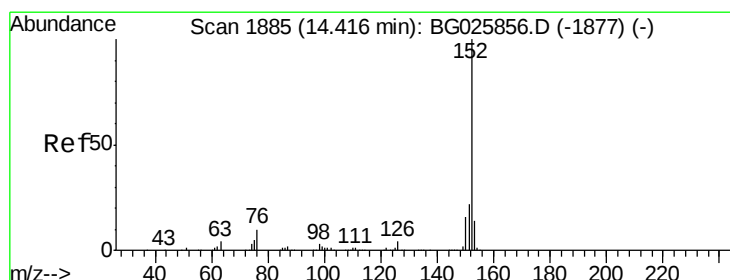
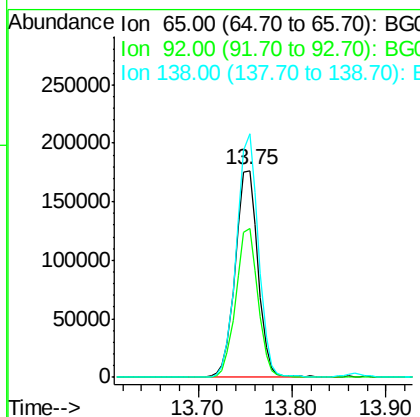
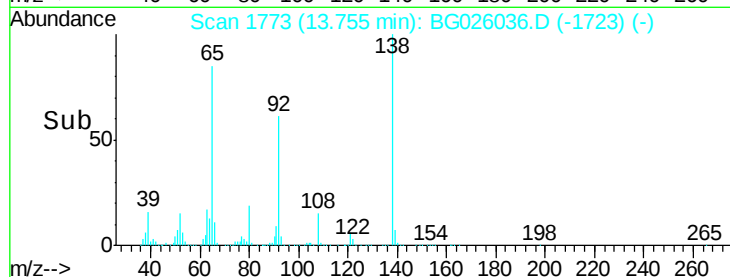
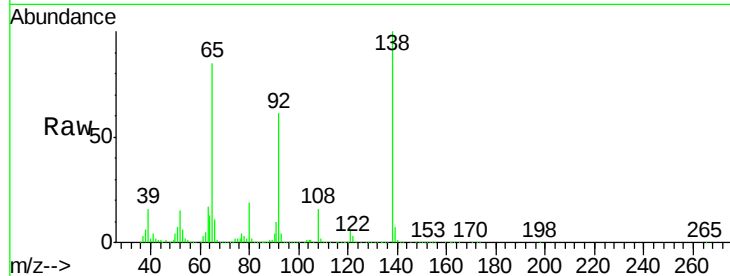
#47
2-Nitroaniline
Concen: 58.73 ng
RT: 13.75 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	295821		
92	72.2	49.0	73.4	
138	117.6	58.6	87.8#	

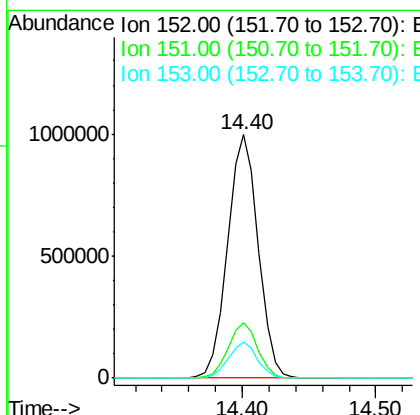
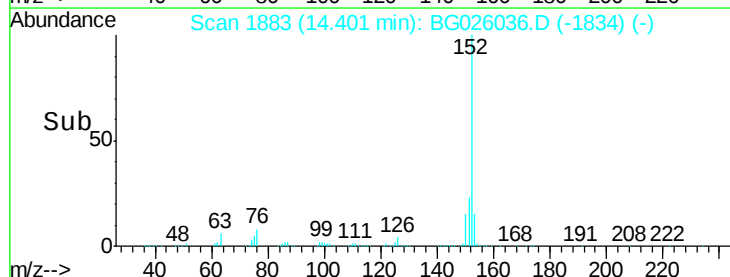
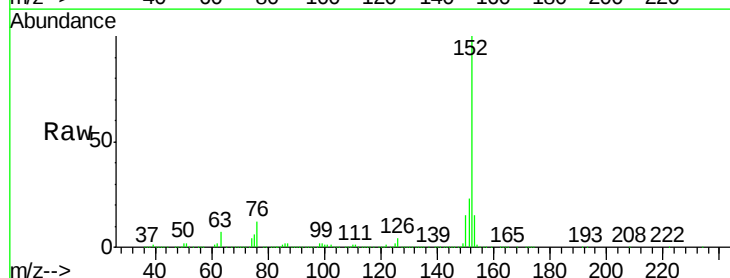
Manual Integrations
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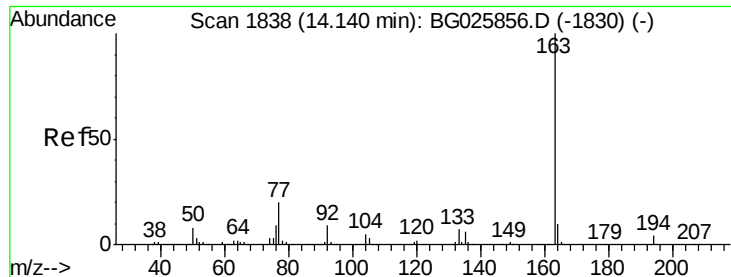
mohammad
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#48
Acenaphthylene
Concen: 56.09 ng
RT: 14.40 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1586152		
151	22.6	18.2	27.2	
153	14.9	11.3	16.9	





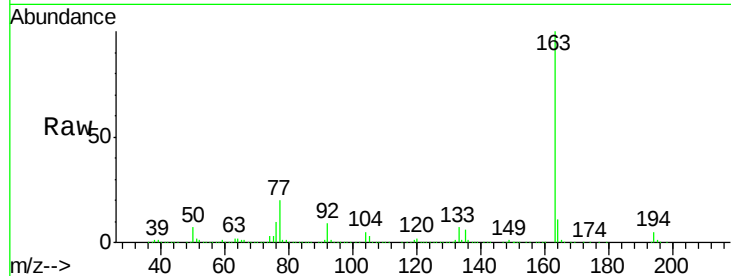
#49
Dimethylphthalate
Concen: 79.87 ng
RT: 14.13 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

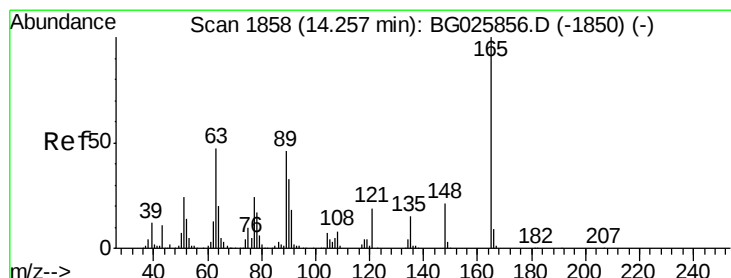
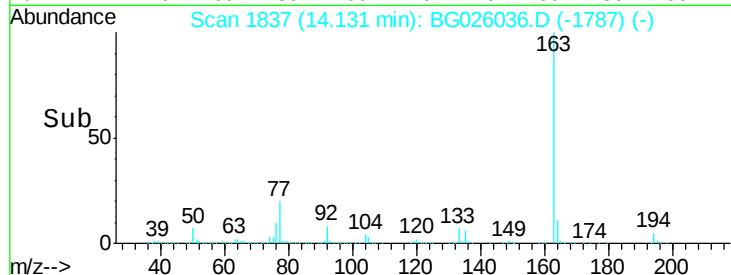
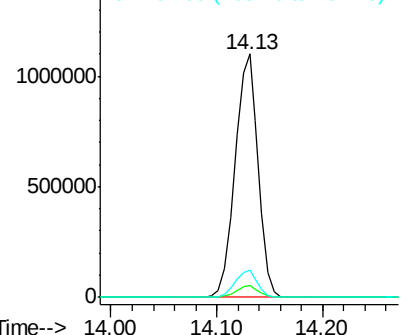
Tgt Ion:163 Resp: 1661170
Ion Ratio Lower Upper
163 100
194 4.7 3.8 5.6
164 11.0 9.3 13.9

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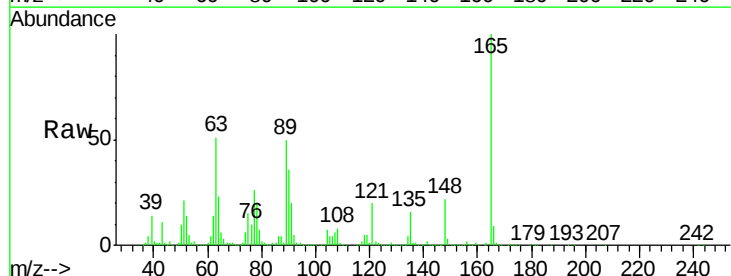


Abundance Ion 163.00 (162.70 to 163.70): E
1500000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

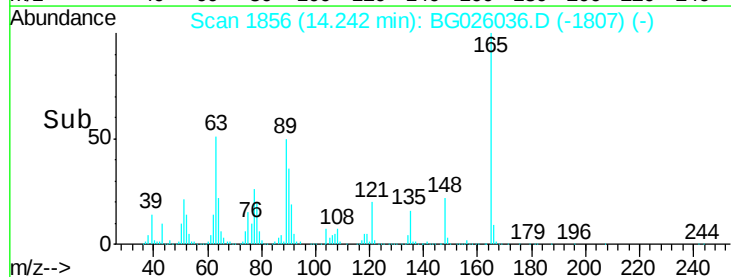
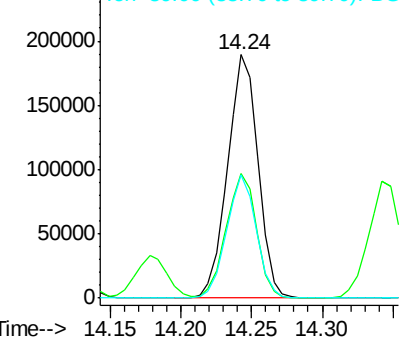


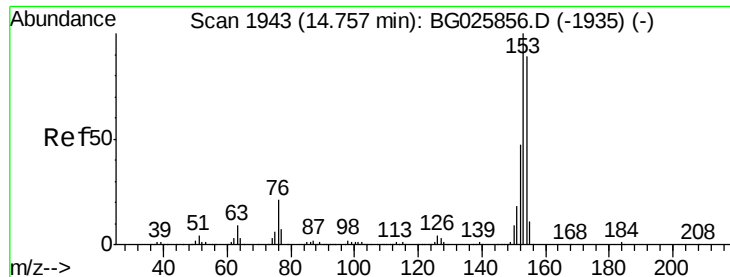
#50
2,6-Dinitrotoluene
Concen: 61.23 ng
RT: 14.24 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion:165 Resp: 286065
Ion Ratio Lower Upper
165 100
63 51.0 63.9 95.9#
89 50.5 58.6 88.0#



Abundance Ion 165.00 (164.70 to 165.70): E
250000
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





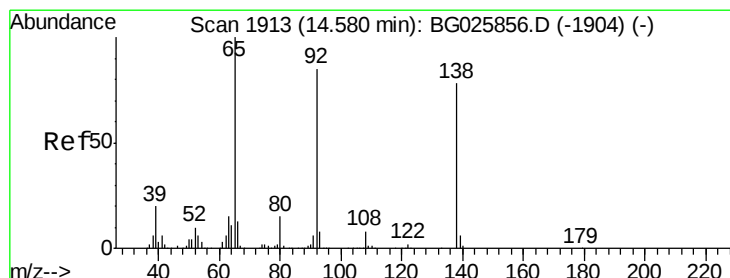
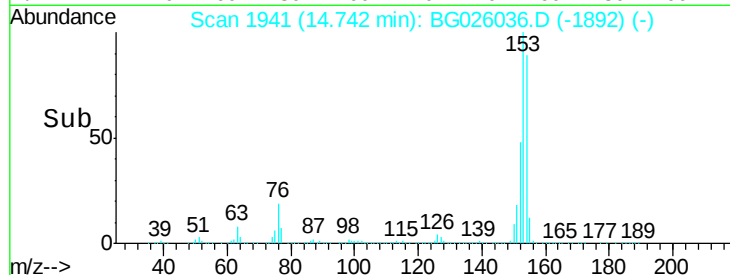
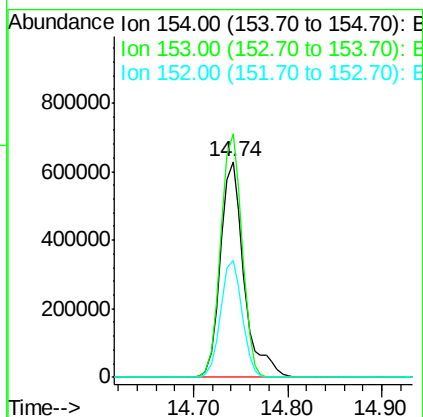
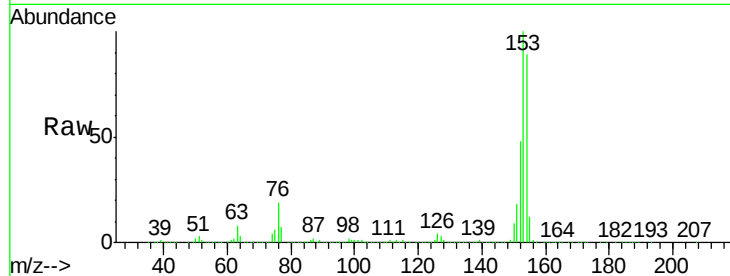
#51
Acenaphthene
Concen: 58.77 ng
RT: 14.74 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion:154 Resp: 1097587
Ion Ratio Lower Upper
154 100
153 112.9 87.8 131.6
152 54.4 42.2 63.4

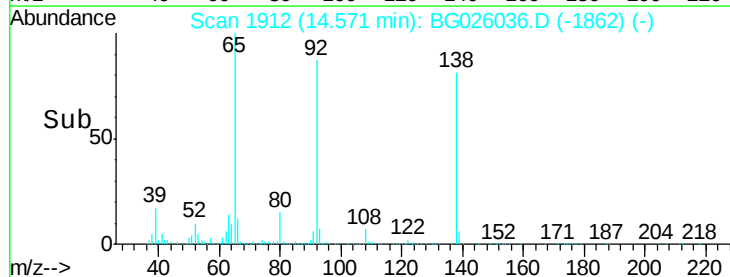
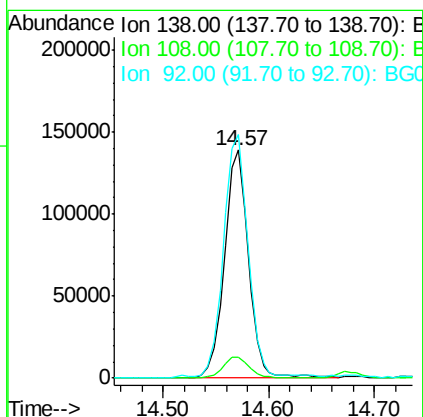
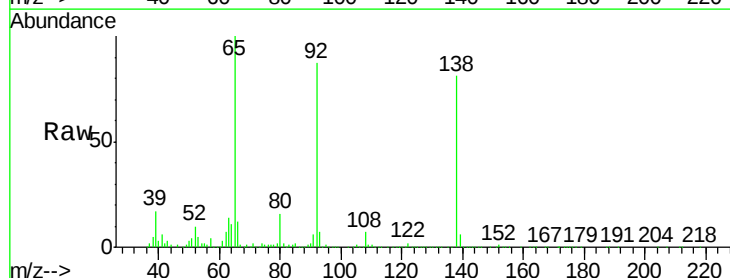
Manual Integrations
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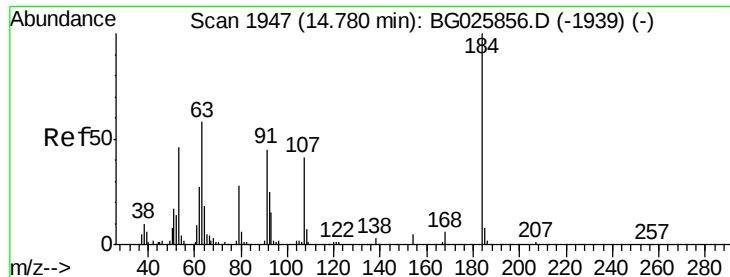
mohammad
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#52
3-Nitroaniline
Concen: 41.56 ng
RT: 14.57 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion:138 Resp: 217203
Ion Ratio Lower Upper
138 100
108 9.1 10.9 16.3#
92 106.8 115.3 172.9#





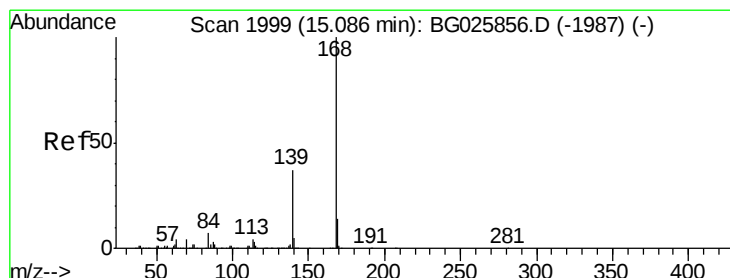
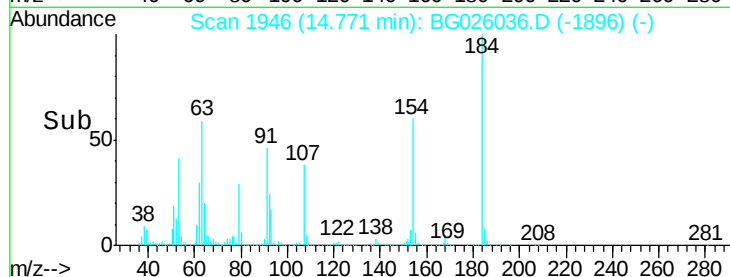
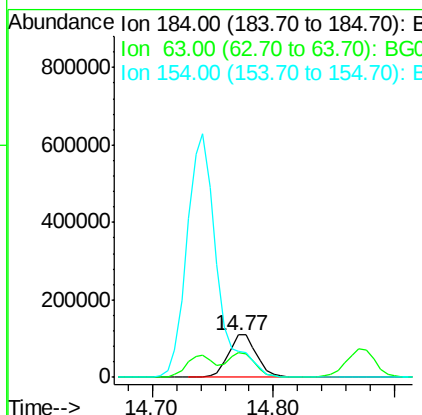
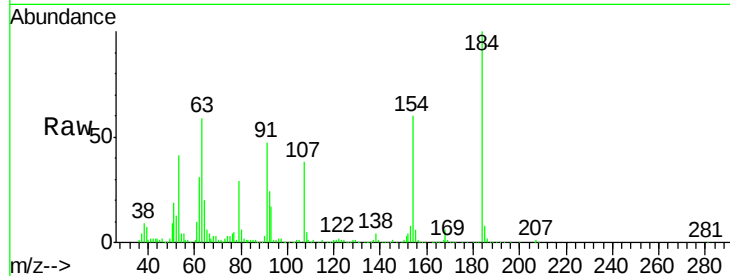
#53
2,4-Dinitrophenol
Concen: 73.27 ng
RT: 14.77 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	179122		
63	59.3	52.7	79.1	
154	60.2	57.3	85.9	

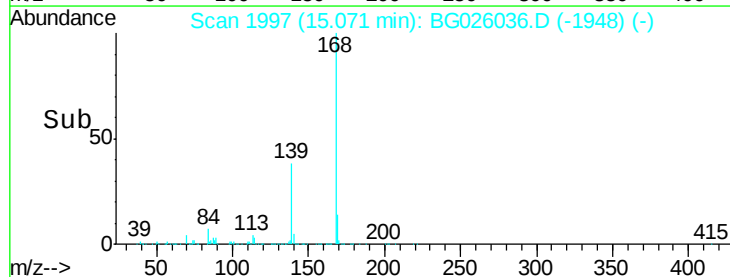
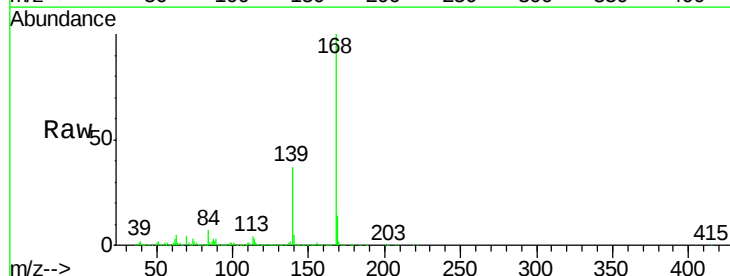
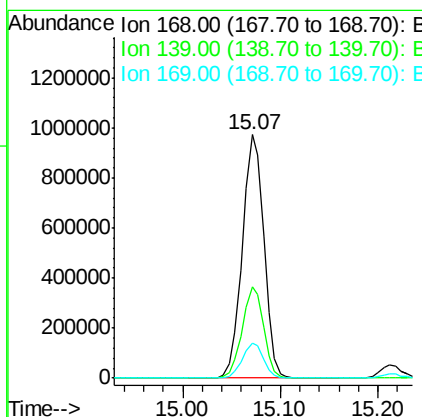
Manual Integrations
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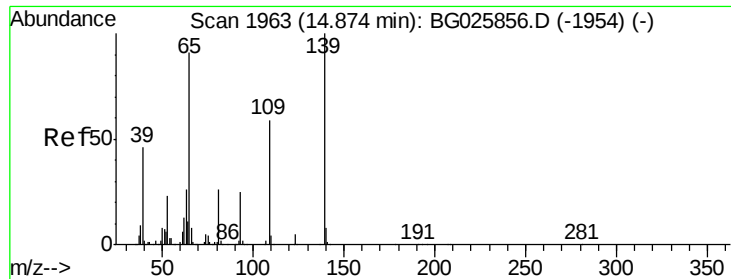
mohammad
3/3/2017 10:56:44 AM



#54
Dibenzofuran
Concen: 60.24 ng
RT: 15.07 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1499837		
139	37.4	35.3	52.9	
169	14.3	11.5	17.3	





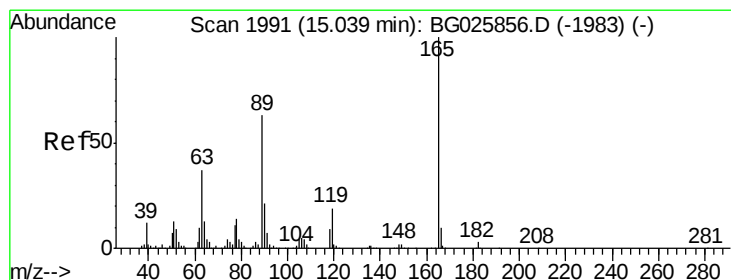
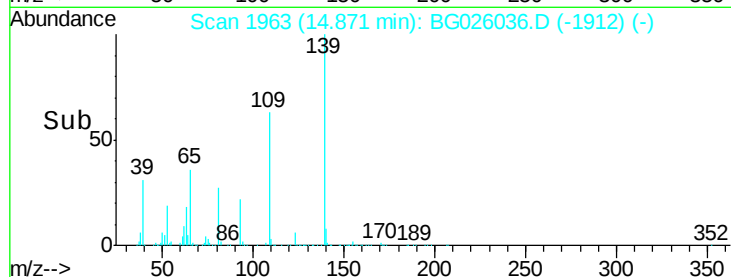
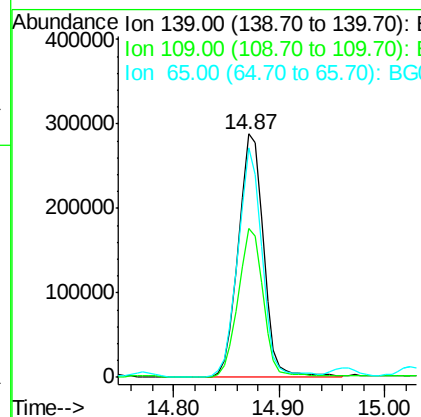
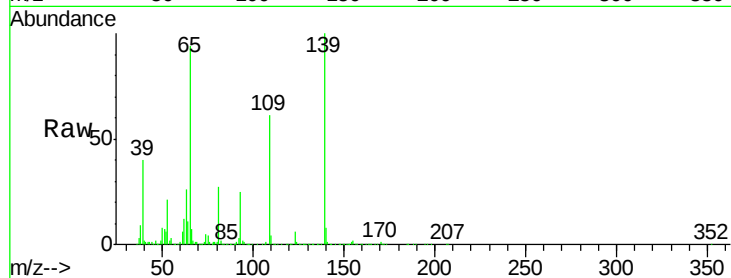
#55
4-Nitrophenol
Concen: 111.55 ng
RT: 14.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	474386		
109	61.1	101.2	141.2#	
65	94.4	135.3	175.3#	

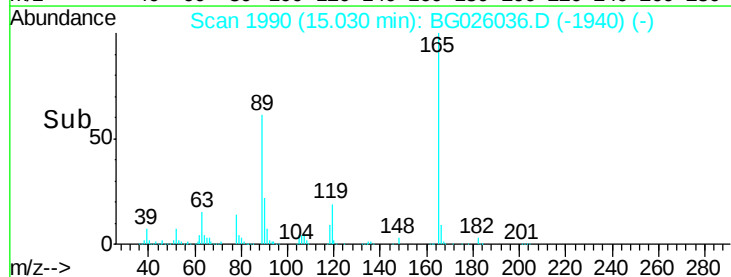
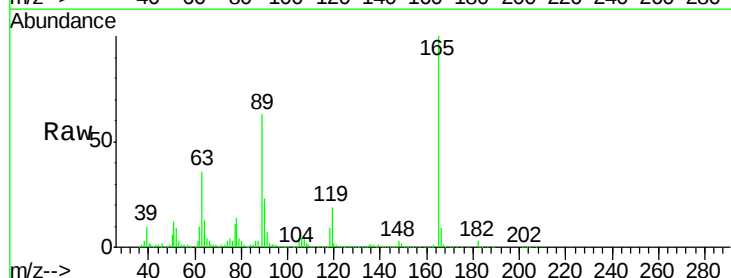
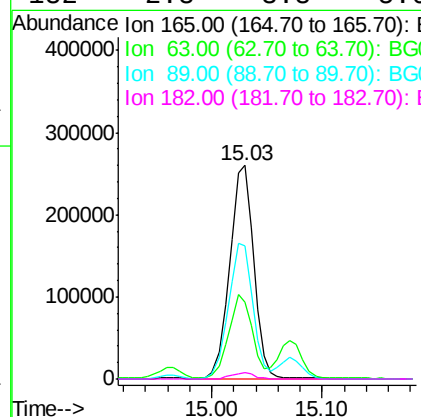
Manual Integrations
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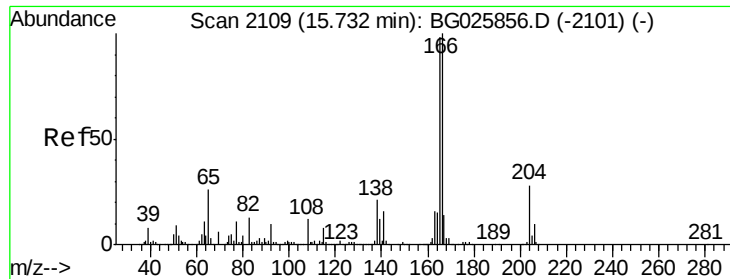
mohammad
3/3/2017 10:56:44 AM



#56
2,4-Dinitrotoluene
Concen: 63.31 ng
RT: 15.03 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	397890		
63	35.7	44.0	66.0#	
89	62.6	67.3	100.9#	
182	2.8	3.8	5.6#	





#57

Fluorene

Concen: 56.05 ng

RT: 15.72 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

ClientSampled :

4B-20MS

Tgt Ion:166 Resp: 1246966

Ion Ratio Lower Upper

166 100

165 99.3 78.6 117.8

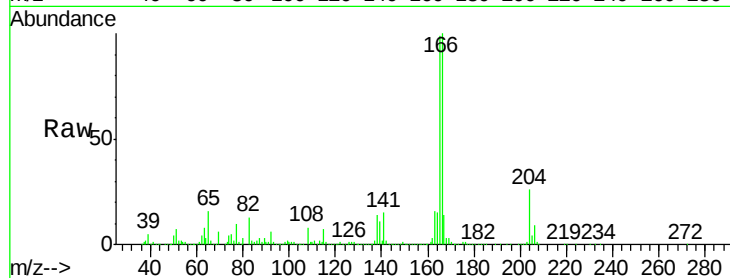
167 14.3 11.6 17.4

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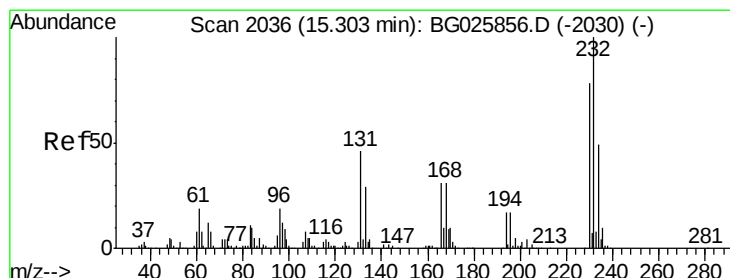
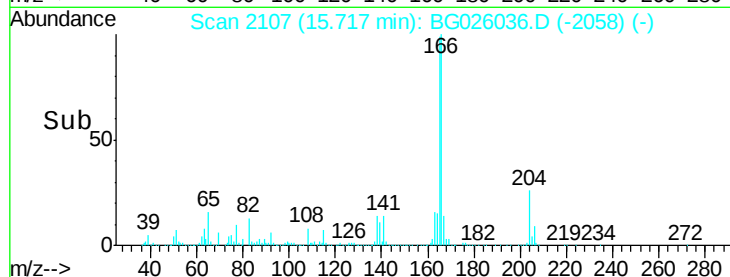
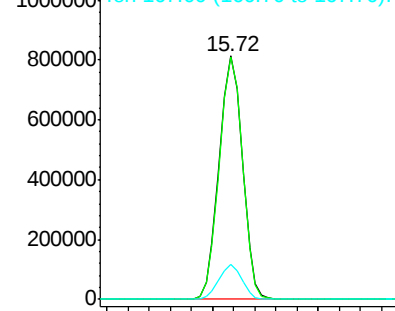


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 67.43 ng

RT: 15.29 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion:232 Resp: 331386

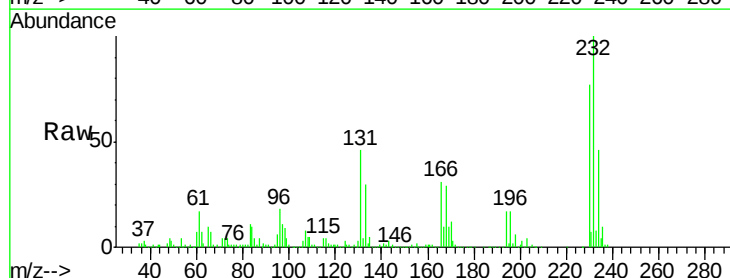
Ion Ratio Lower Upper

232 100

131 46.2 34.9 52.3

130 3.0 2.3 3.5

166 32.7 24.2 36.4



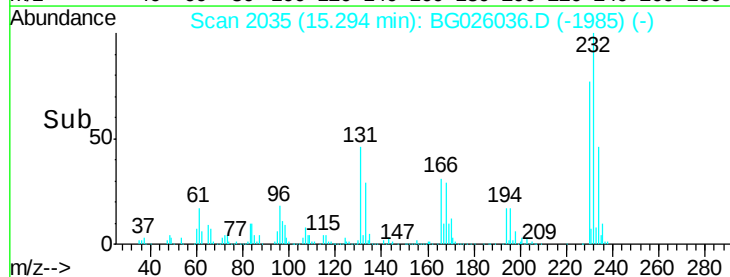
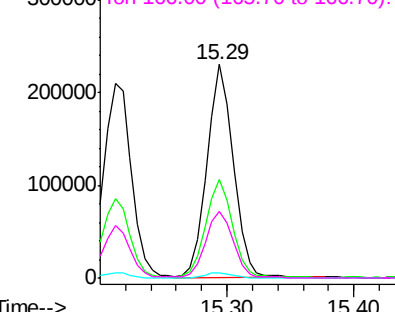
Abundance

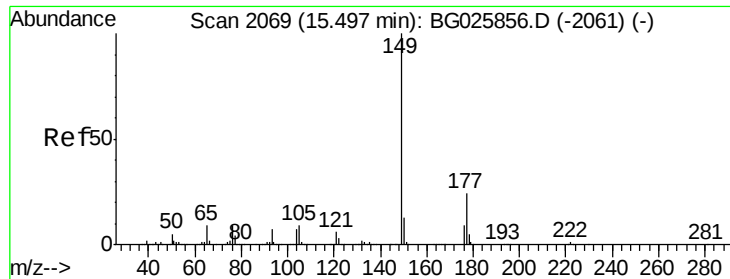
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





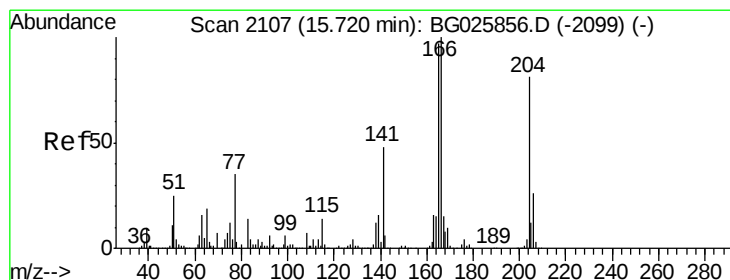
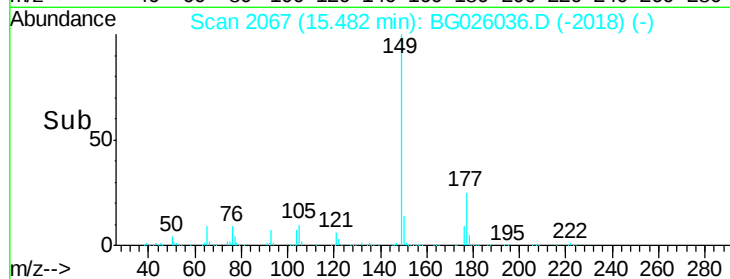
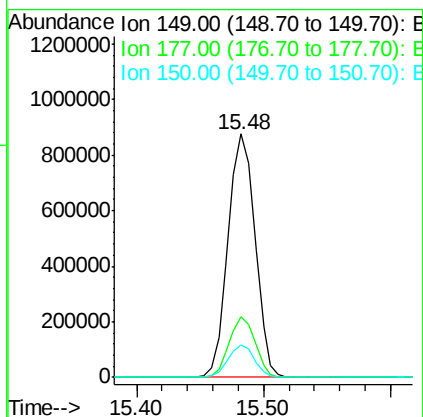
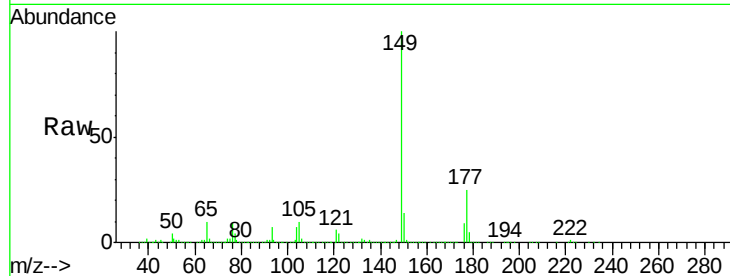
#59
Diethylphthalate
Concen: 59.90 ng
RT: 15.48 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleID :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.9	20.1	30.1
150	13.5	10.2	15.2

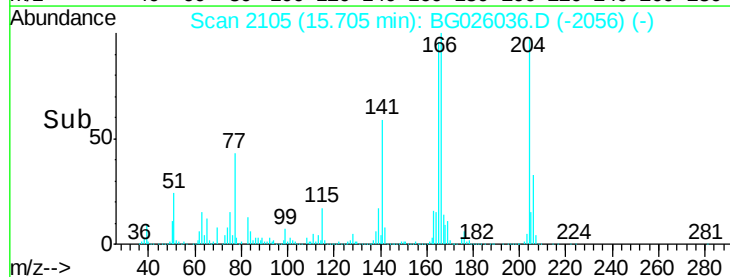
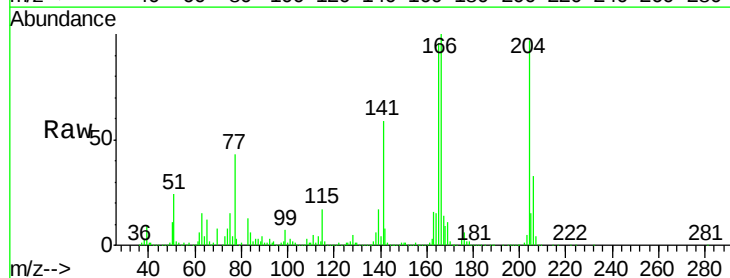
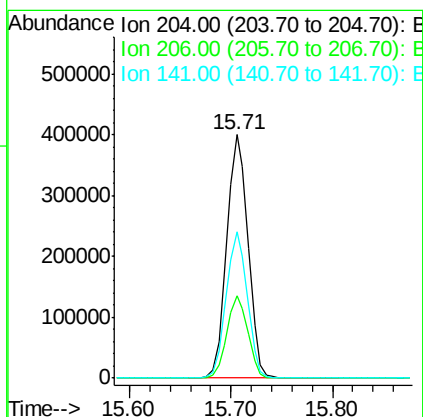
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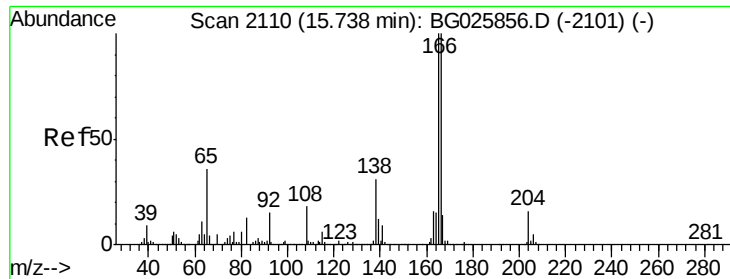
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 56.39 ng
RT: 15.71 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.7	30.1	45.1
141	60.2	50.6	76.0





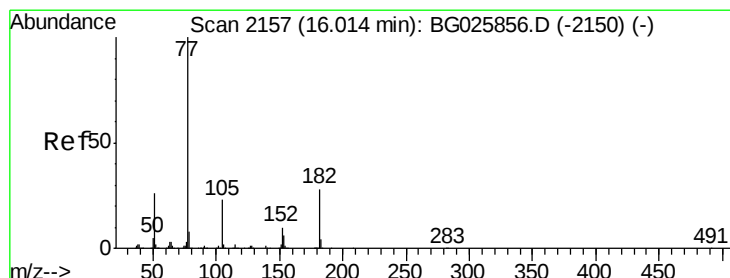
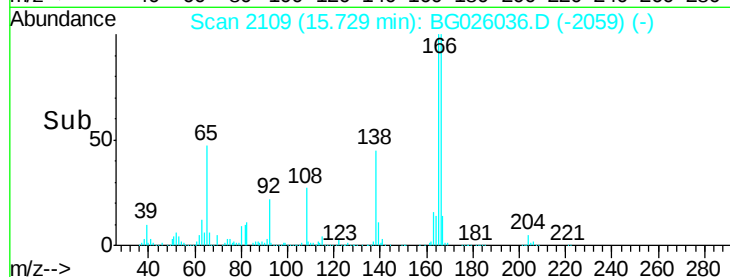
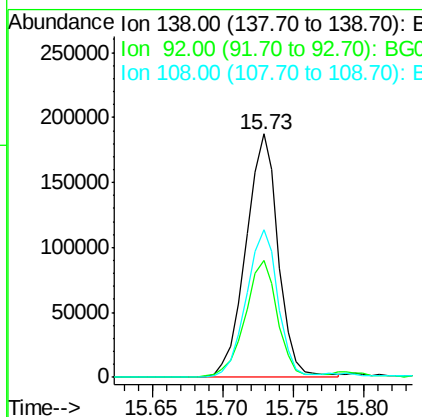
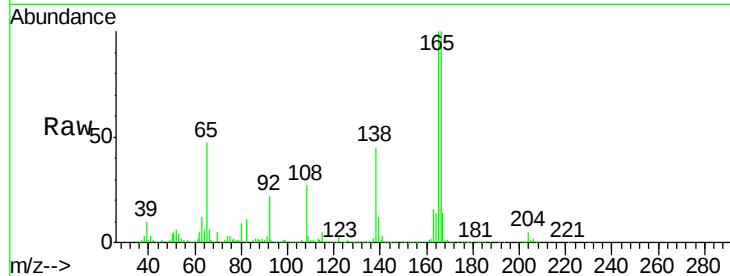
#61
4-Nitroaniline
Concen: 55.56 ng
RT: 15.73 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampled :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.9	44.2	84.2
108	60.5	104.8	144.8#

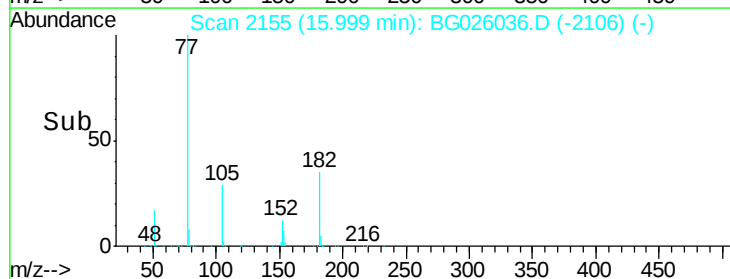
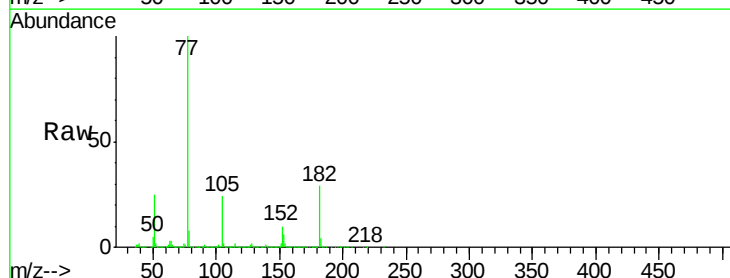
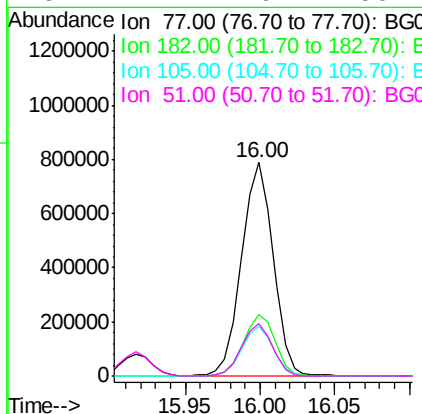
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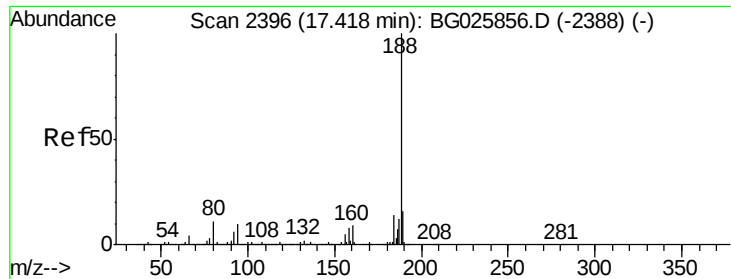
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#62
Azobenzene
Concen: 62.11 ng
RT: 16.00 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.7	4.7	44.7
105	23.5	0.0	36.3
51	24.7	16.4	56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.41 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

ClientSampleId :

4B-20MS

Tgt Ion:188 Resp: 692676

Ion Ratio Lower Upper

188 100

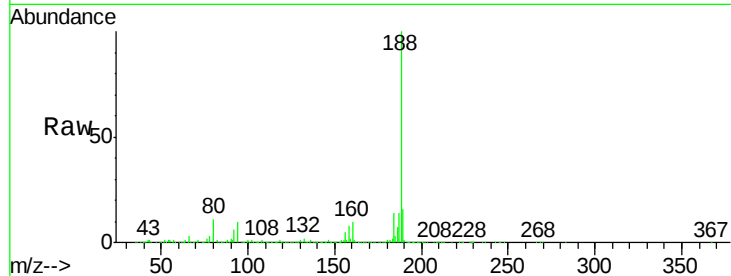
94 10.1 5.8 8.8#

80 10.5 7.5 11.3

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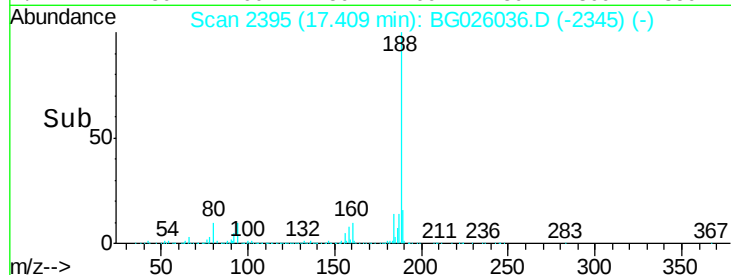


Abundance Ion 188.00 (187.70 to 188.70): E

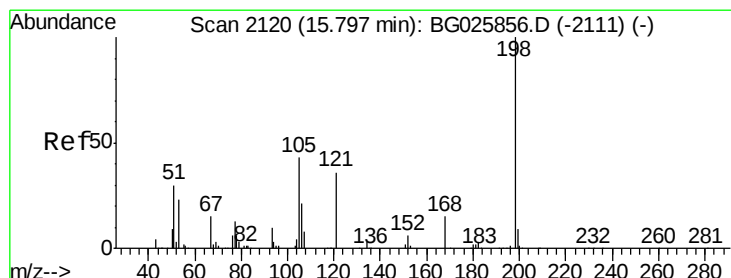
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 52.17 ng

RT: 15.79 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

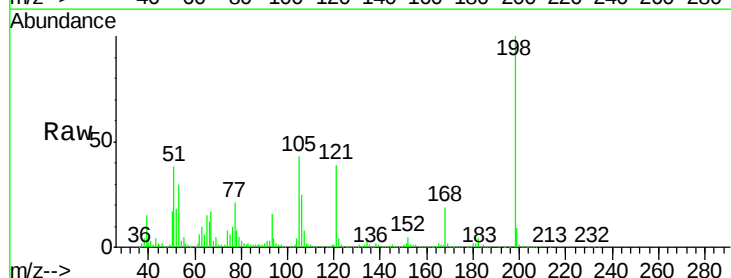
Tgt Ion:198 Resp: 211468

Ion Ratio Lower Upper

198 100

51 38.5 22.6 62.6

105 43.1 14.4 54.4

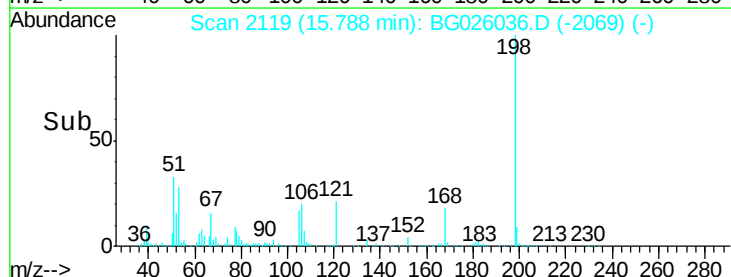


Abundance Ion 198.00 (197.70 to 198.70): E

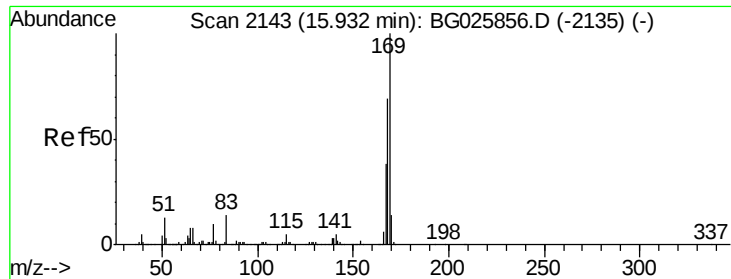
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



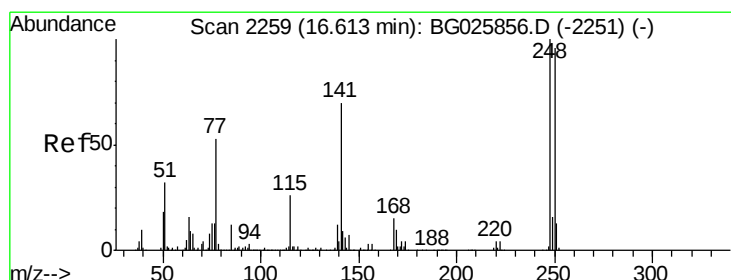
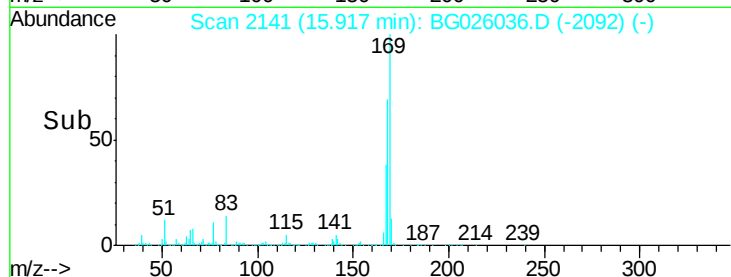
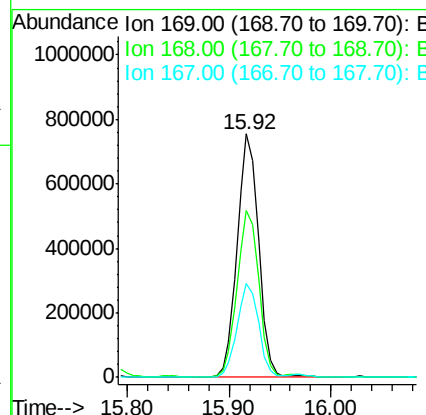
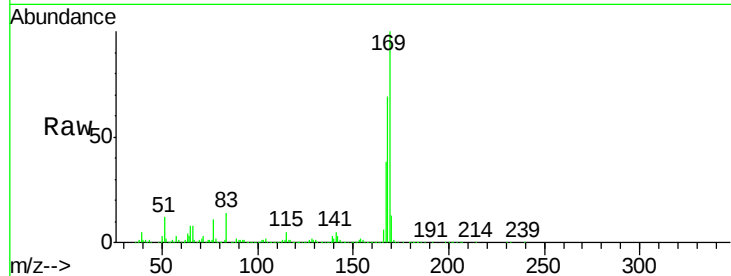
#65
n-Nitrosodiphenylamine
Concen: 52.97 ng
RT: 15.92 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.6	55.7	83.5
167	38.5	29.8	44.6

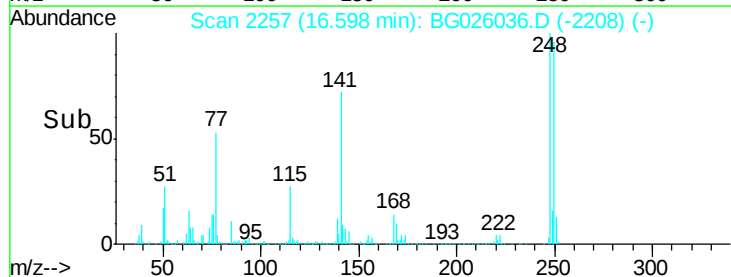
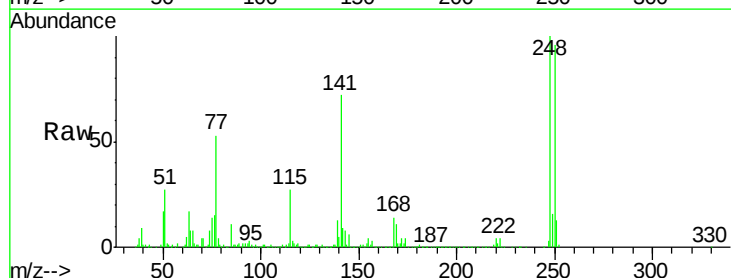
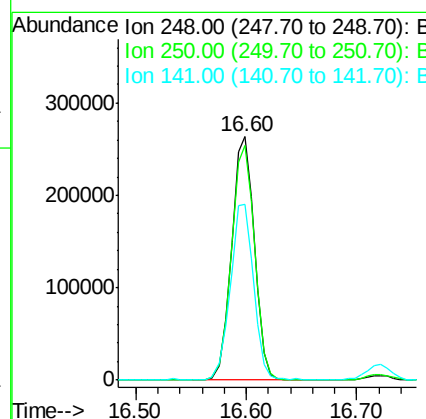
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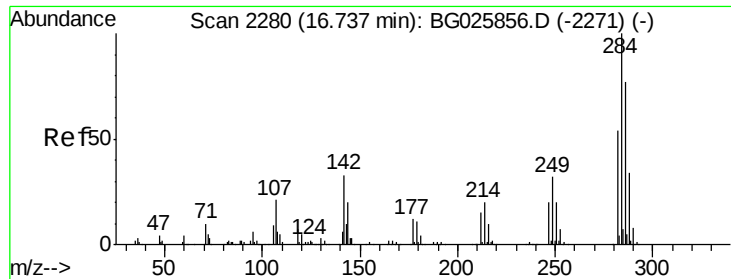
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#66
4-Bromophenyl-phenylether
Concen: 52.51 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.2	75.0	112.6
141	72.1	55.2	82.8





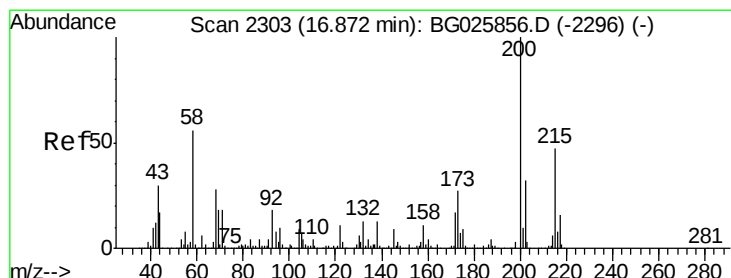
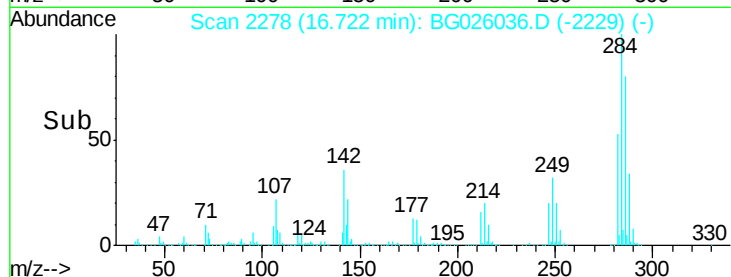
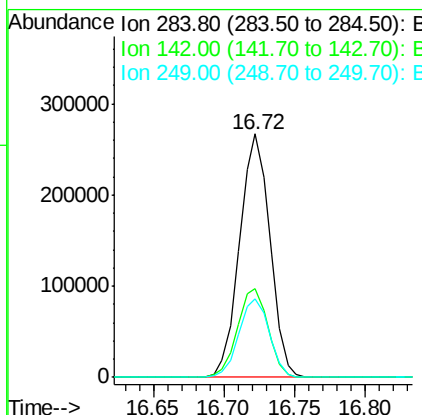
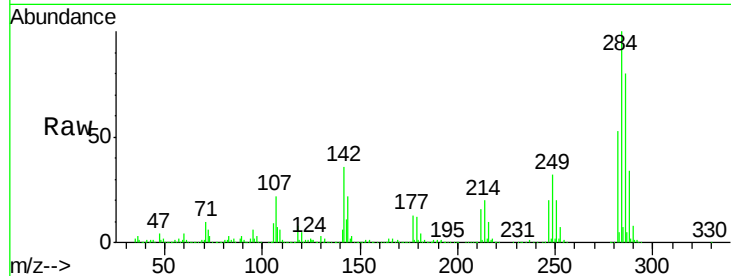
#67
Hexachlorobenzene
Concen: 53.66 ng
RT: 16.72 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	401476		
142	36.2	29.9	44.9	
249	32.5	29.2	43.8	

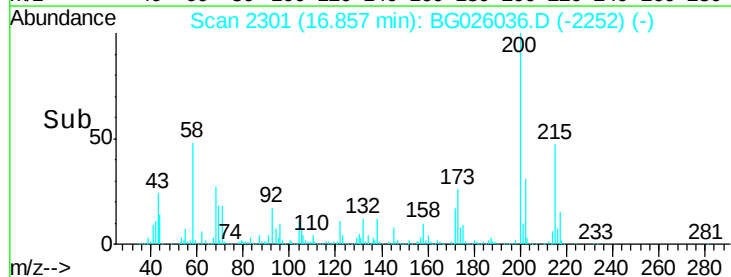
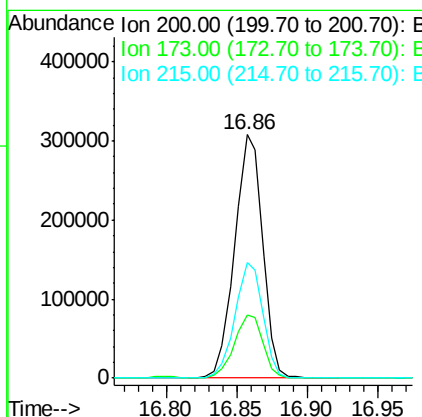
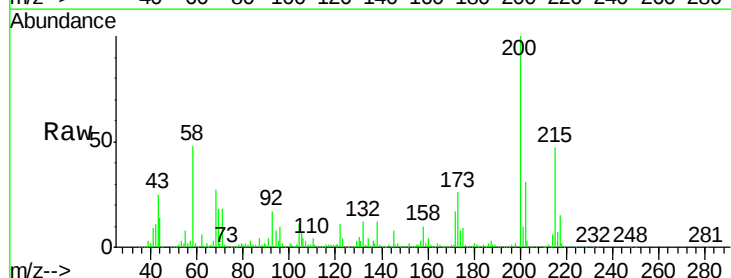
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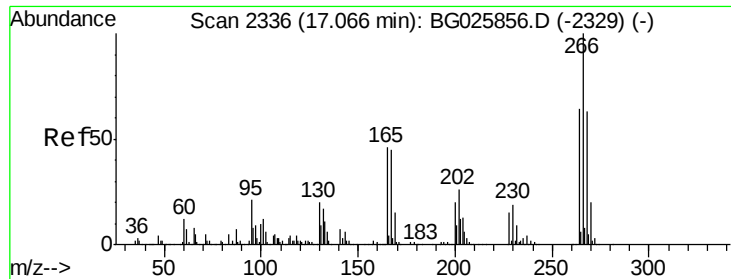
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#68
Atrazine
Concen: 56.84 ng
RT: 16.86 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	422612		
173	26.2	3.0	43.0	
215	47.3	28.4	68.4	





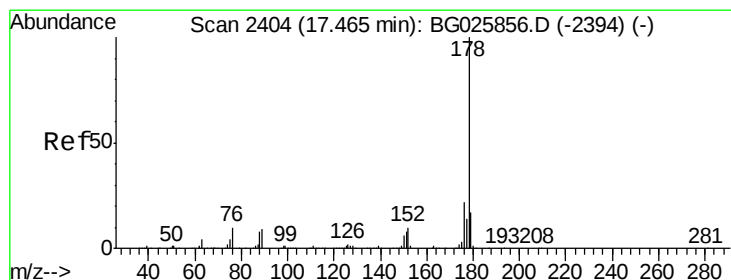
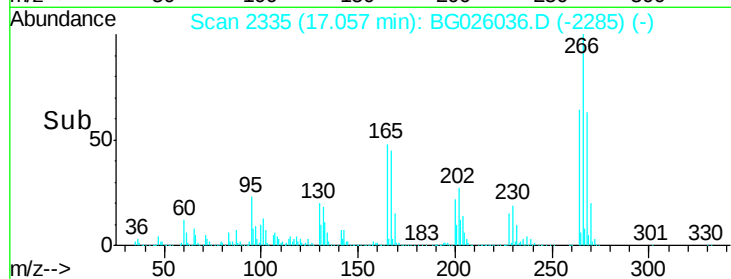
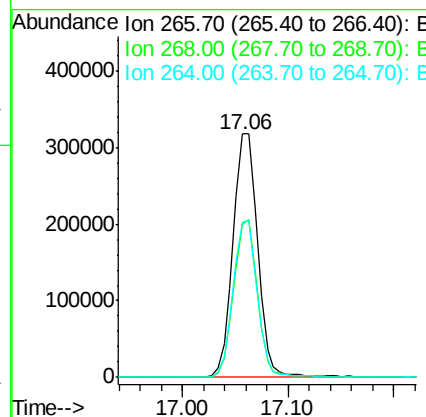
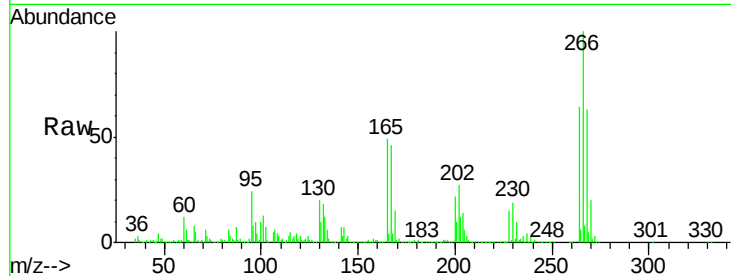
#69
 Pentachlorophenol
 Concen: 110.72 ng
 RT: 17.06 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.8	48.6	72.8
264	63.8	50.1	75.1

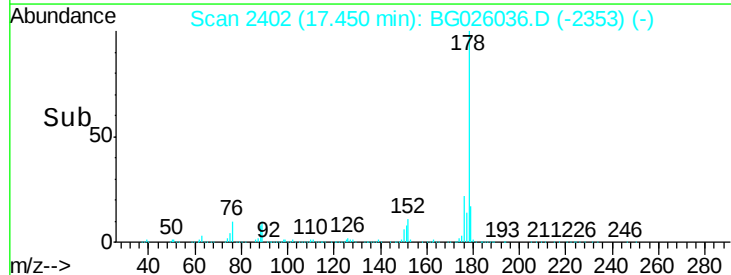
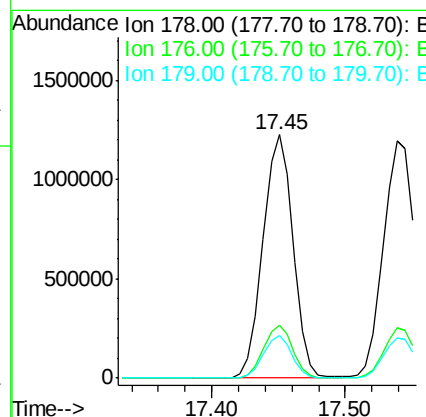
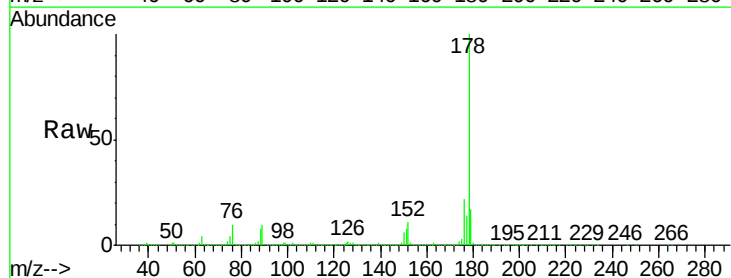
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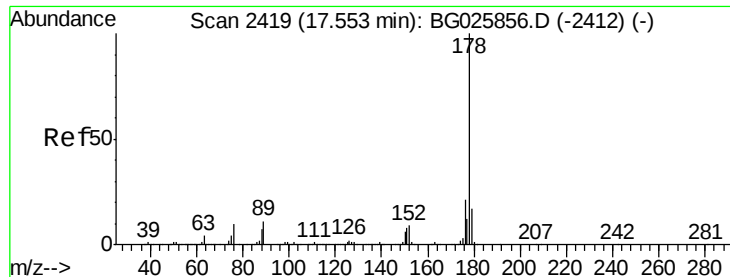
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#70
 Phenanthrene
 Concen: 50.67 ng
 RT: 17.45 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.7	17.7	26.5
179	17.3	15.0	22.6





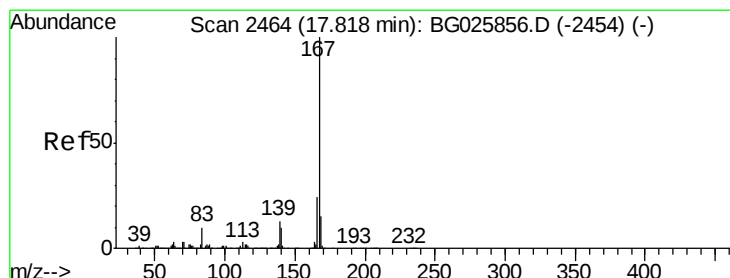
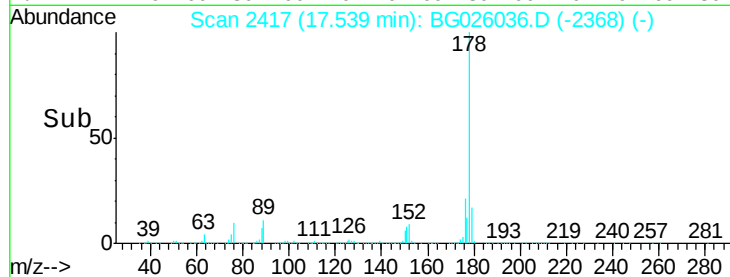
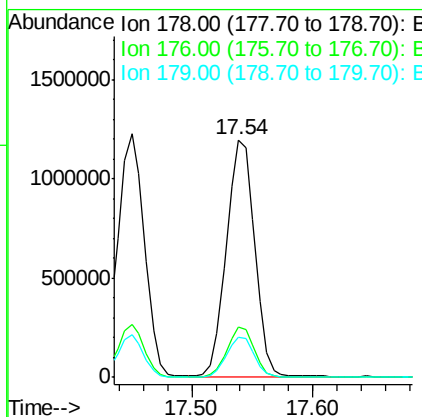
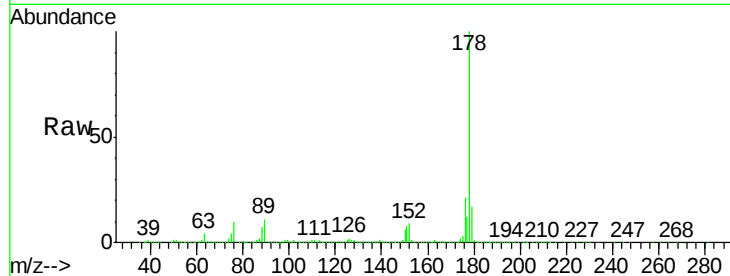
#71
 Anthracene
 Concen: 50.68 ng
 RT: 17.54 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion:178 Resp: 1942945
 Ion Ratio Lower Upper
 178 100
 176 21.3 16.4 24.6
 179 17.0 13.8 20.8

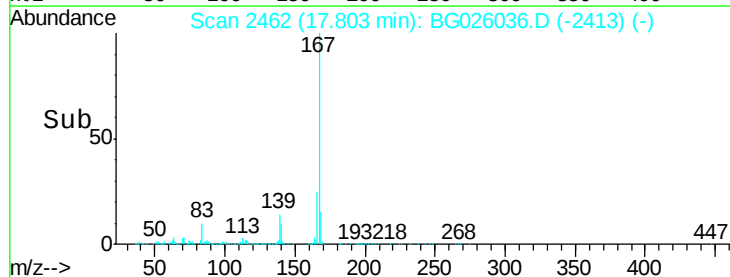
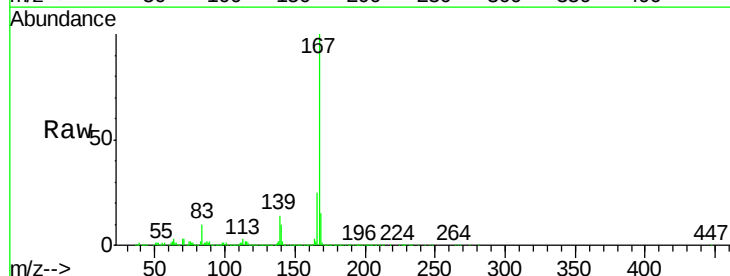
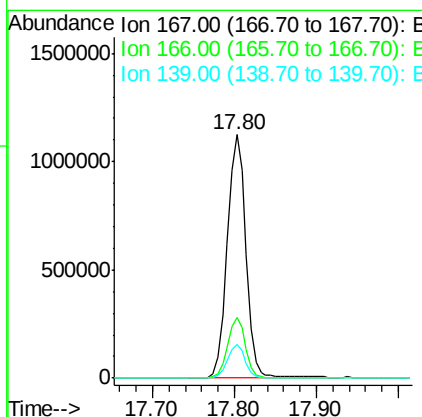
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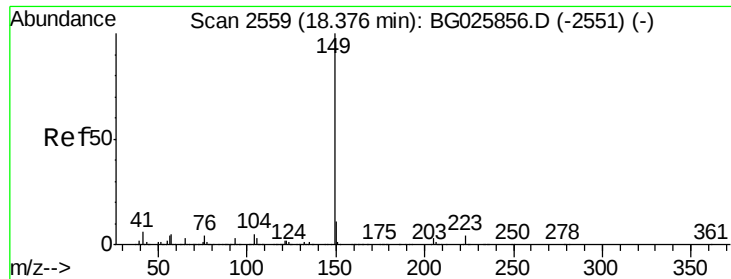
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#72
 Carbazole
 Concen: 46.46 ng
 RT: 17.80 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion:167 Resp: 1789178
 Ion Ratio Lower Upper
 167 100
 166 25.1 20.2 30.2
 139 13.6 12.8 19.2





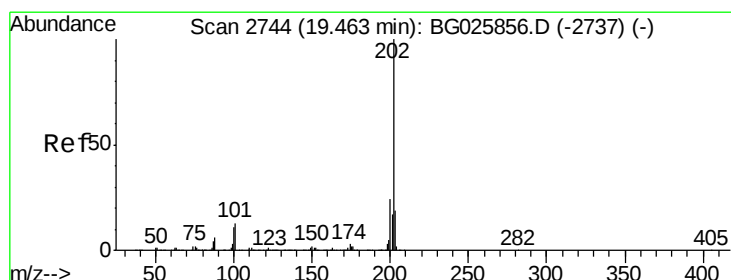
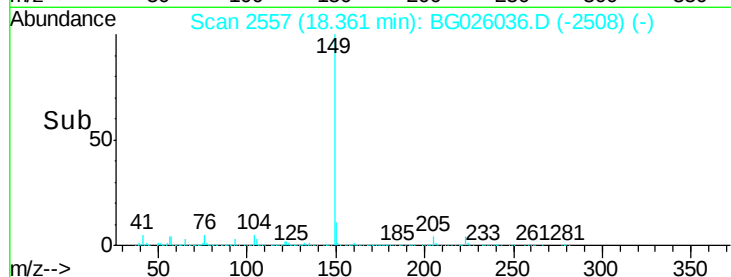
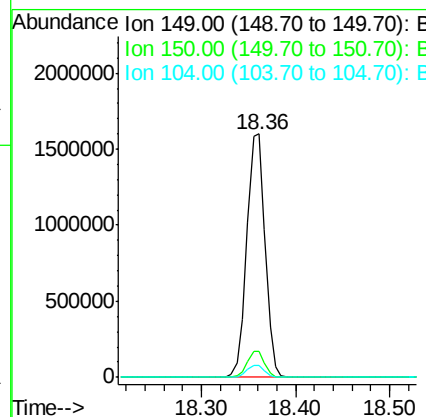
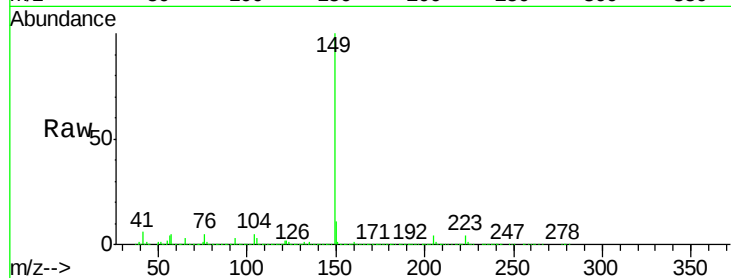
#73
Di-n-butylphthalate
Concen: 57.05 ng
RT: 18.36 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	9.1	13.7
104	5.0	6.7	10.1

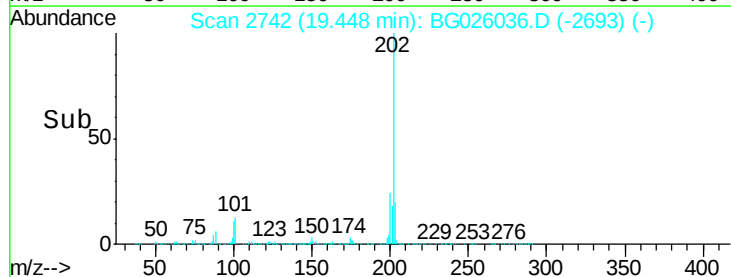
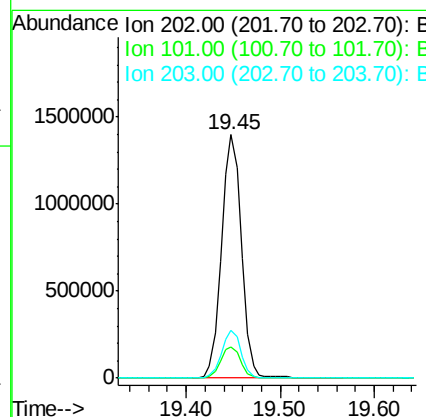
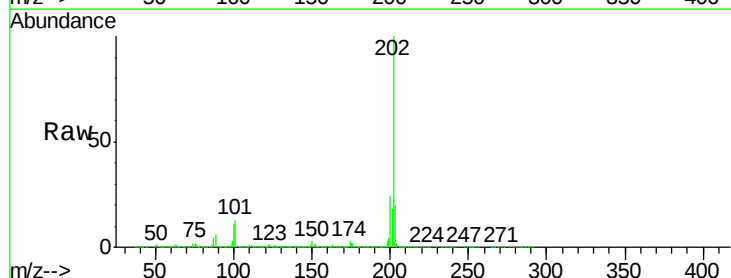
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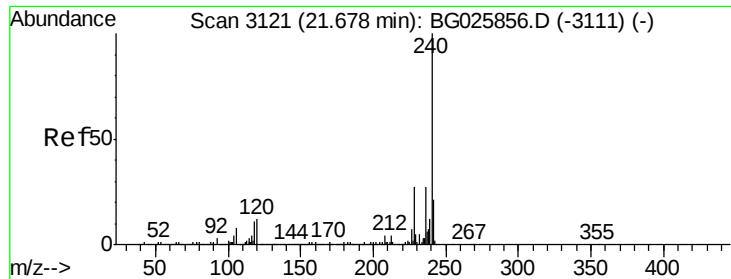
mohammad
3/3/2017 10:56:44 AM



#74
Fluoranthene
Concen: 50.16 ng
RT: 19.45 min Scan# 2742
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	30.1
203	19.7	1.3	41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.66 min Scan# 3118

Delta R.T. -0.02 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

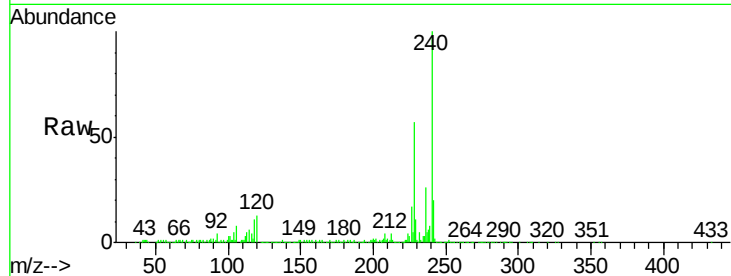
ClientSampleId :

4B-20MS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.7	8.5#
236	25.7	22.2	33.4

Manual Integrations
APPROVED

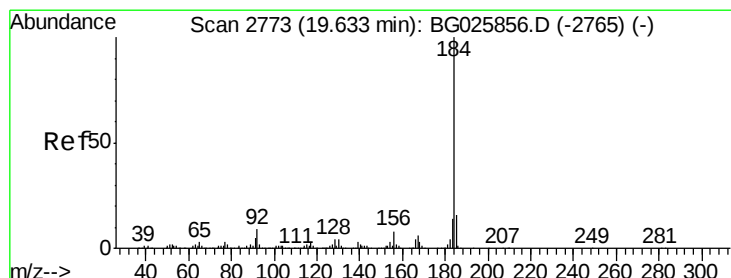
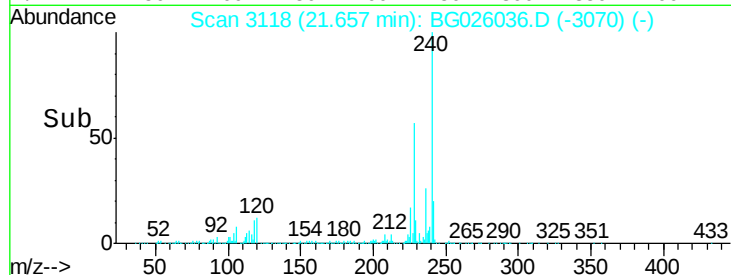
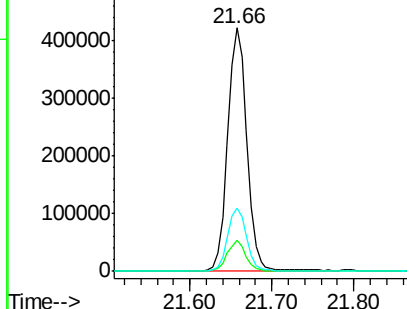
mohammad
3/3/2017 10:56:44 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 43.06 ng

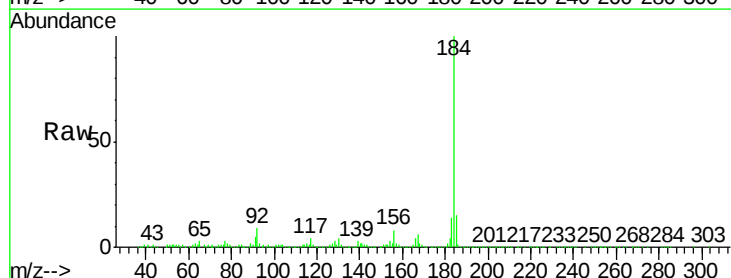
RT: 19.62 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

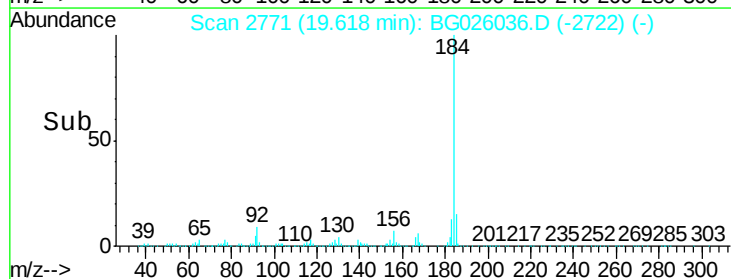
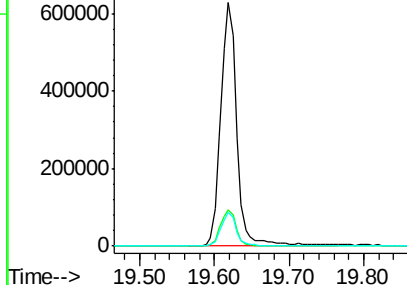
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.1	13.0	19.6
183	13.6	11.0	16.6

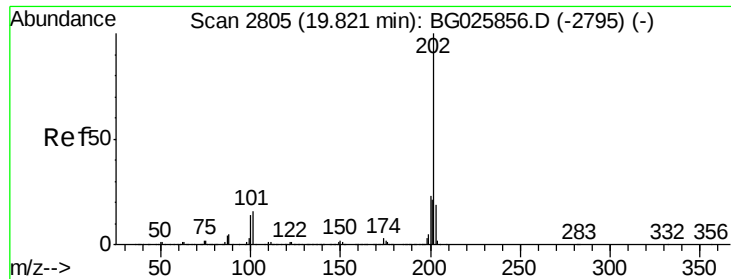


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





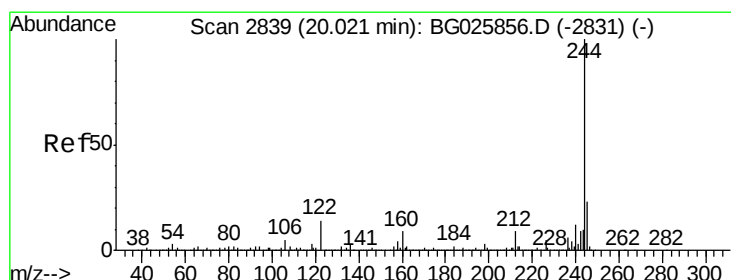
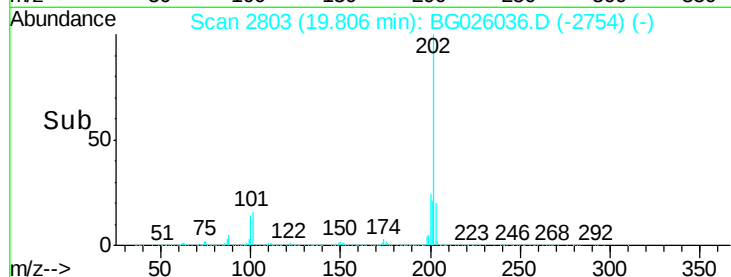
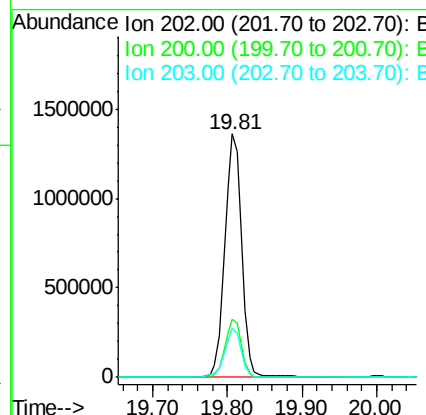
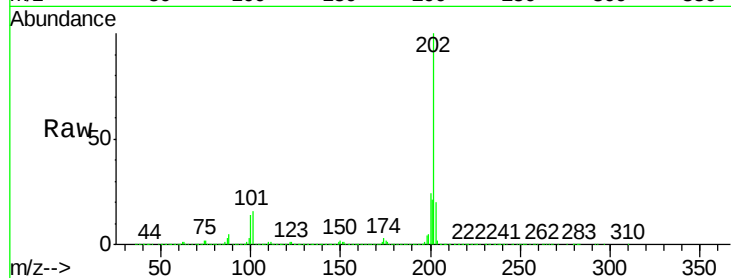
#77
 Pyrene
 Concen: 48.59 ng
 RT: 19.81 min Scan# 2803
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	19.6	29.4
203	20.4	15.8	23.8

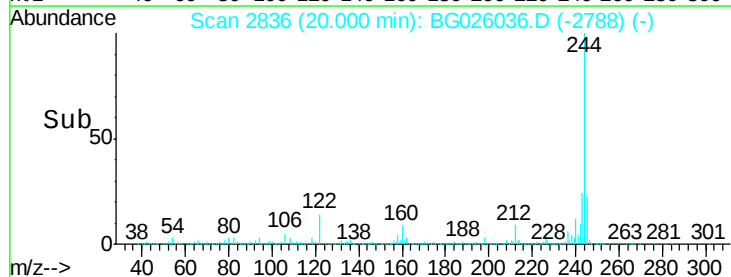
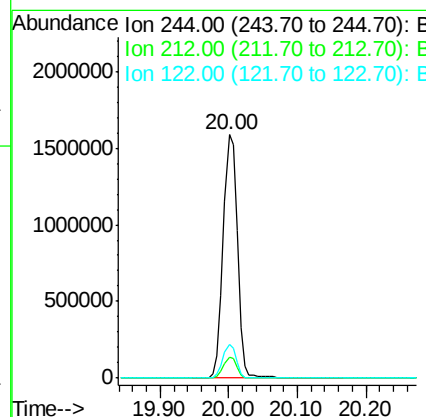
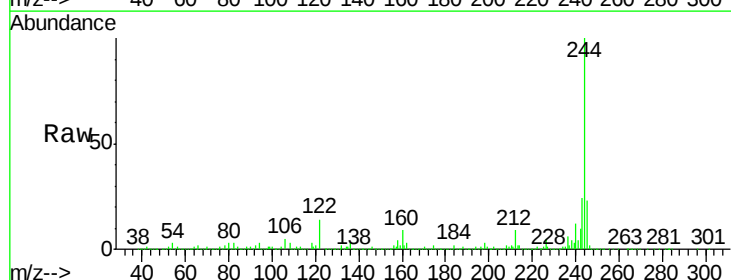
Manual Integrations
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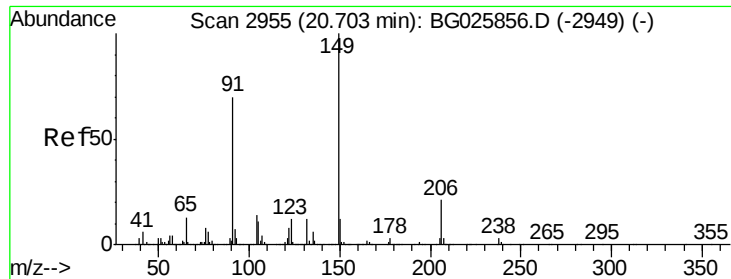
mohammad
 3/3/2017 10:56:44 AM



#78
 Terphenyl-d14
 Concen: 80.64 ng
 RT: 20.00 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	10.0	15.0#
122	13.8	8.6	12.8#





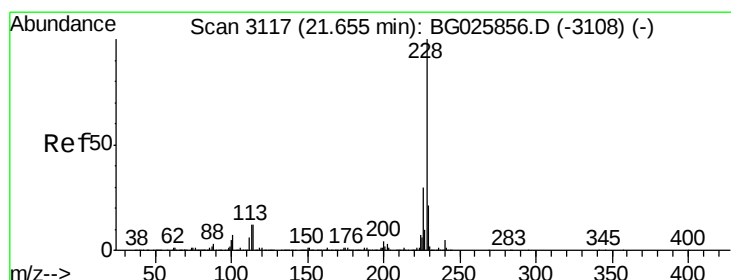
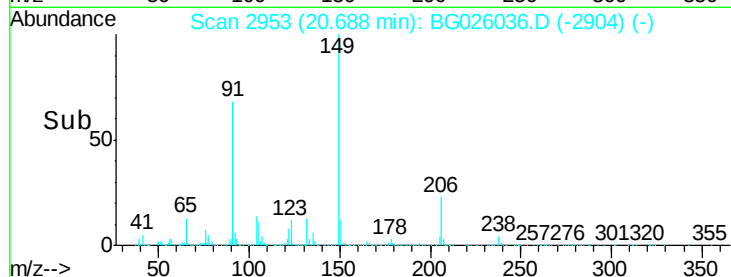
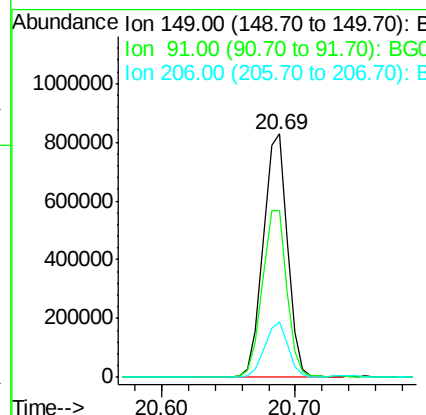
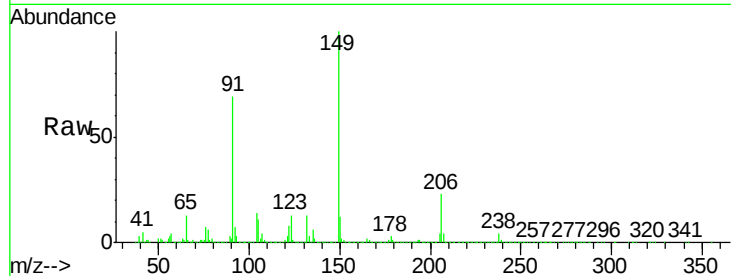
#79
Butylbenzylphthalate
Concen: 61.90 ng
RT: 20.69 min Scan# 2953
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.6	63.5	95.3
206	22.9	21.0	31.6

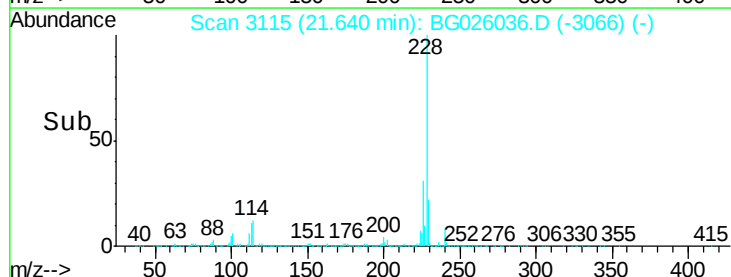
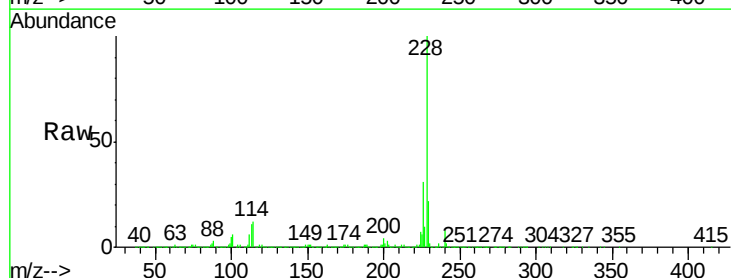
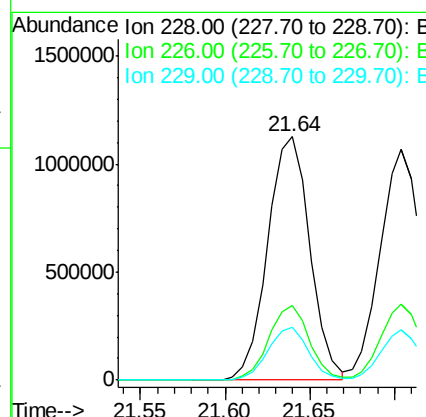
Manual Integrations
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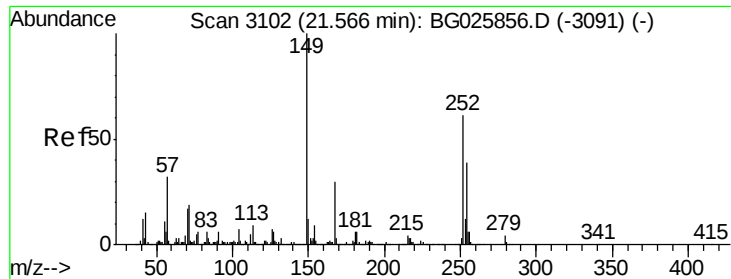
mohammad
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#80
Benzo(a)anthracene
Concen: 48.47 ng
RT: 21.64 min Scan# 3115
Delta R.T. -0.01 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.9	18.2	27.2





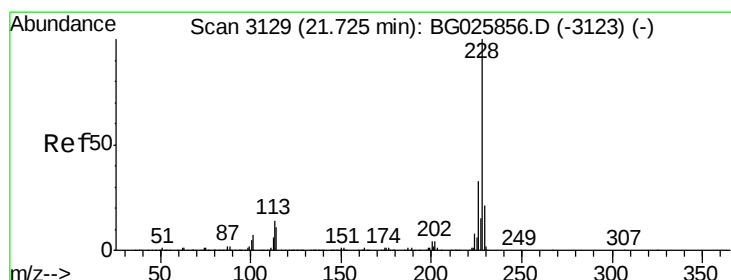
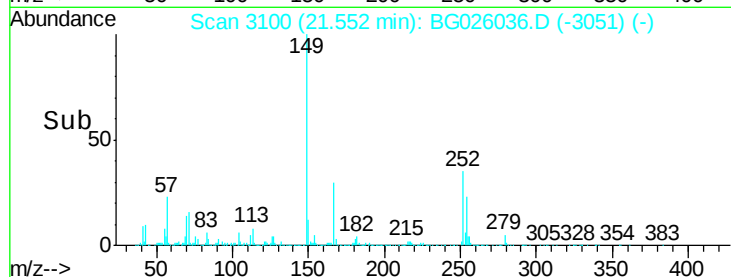
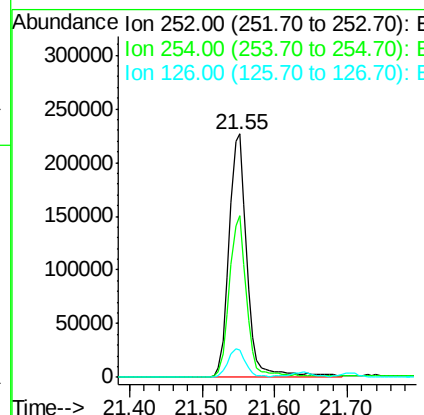
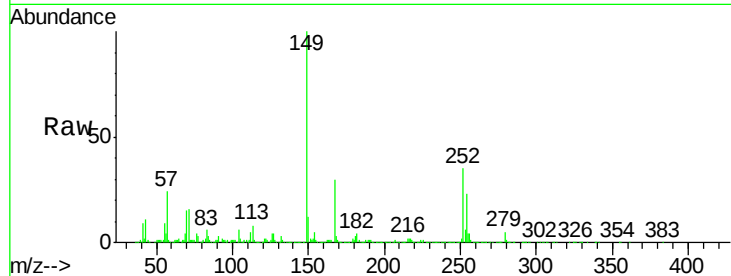
#81
 3,3'-Dichlorobenzidine
 Concen: 27.32 ng
 RT: 21.55 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.4	53.1	79.7
126	11.4	7.0	10.4

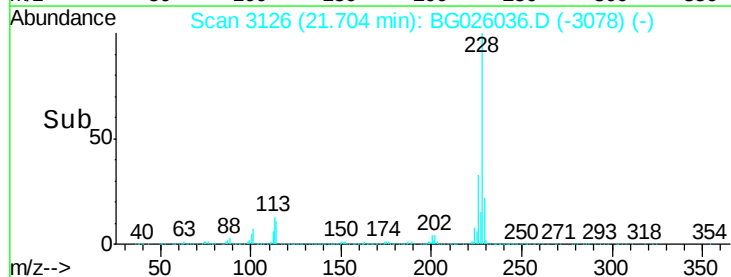
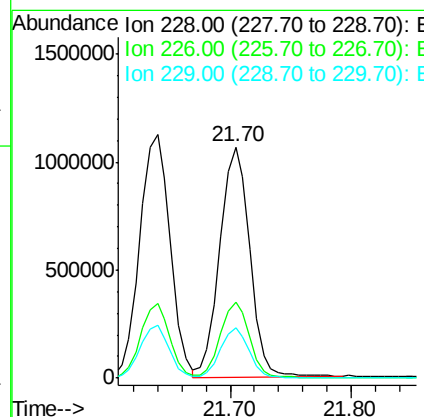
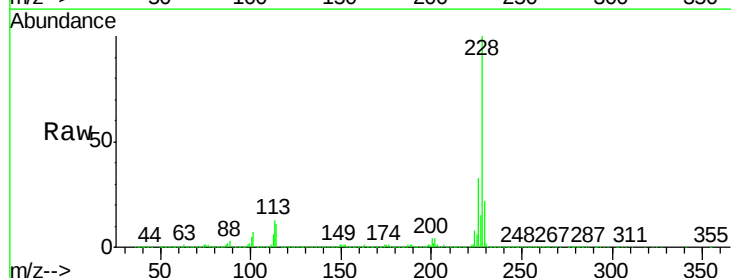
Manual Integrations
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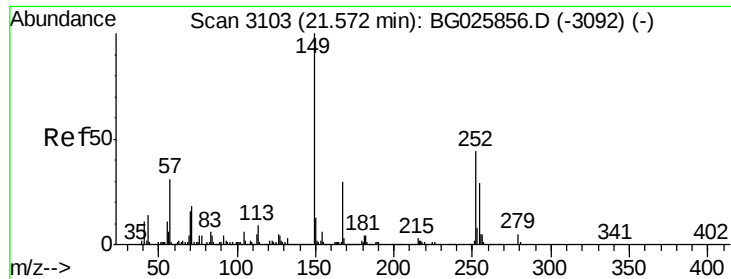
mohammad
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#82
 Chrysene
 Concen: 46.72 ng
 RT: 21.70 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	27.0	40.4
229	21.6	17.8	26.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 63.55 ng

RT: 21.54 min Scan# 3098

Delta R.T. -0.03 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

ClientSampleId :

4B-20MS

Tgt Ion:149 Resp: 1522230

Ion Ratio Lower Upper

149 100

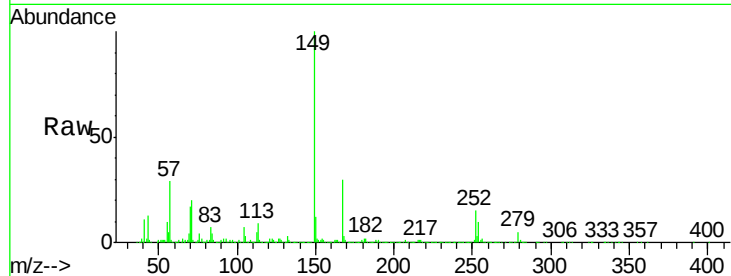
167 30.4 23.7 35.5

279 4.6 4.6 6.8

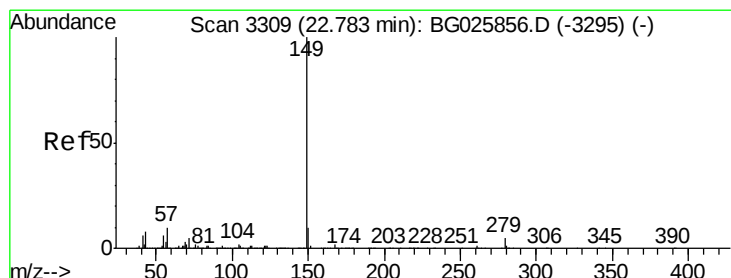
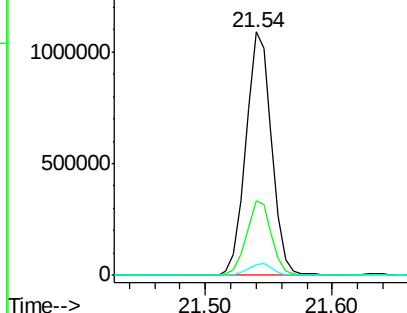
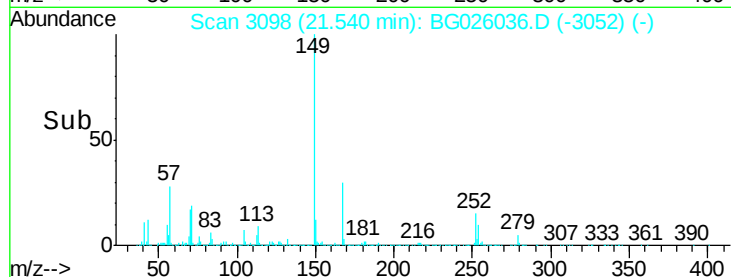
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
1500000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 65.46 ng

RT: 22.74 min Scan# 3303

Delta R.T. -0.04 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

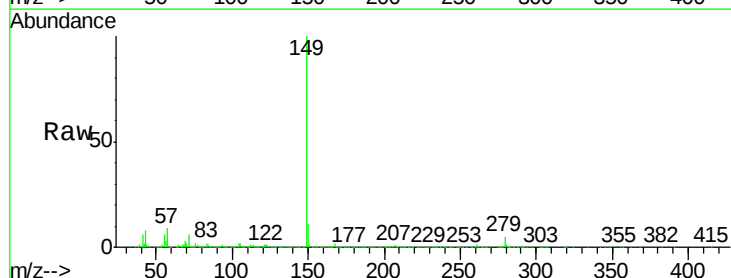
Tgt Ion:149 Resp: 2589704

Ion Ratio Lower Upper

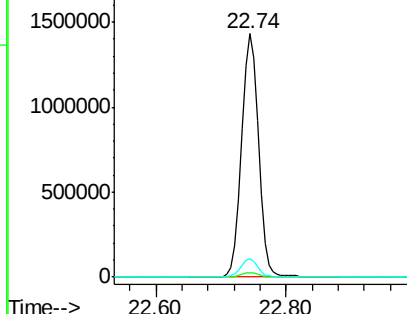
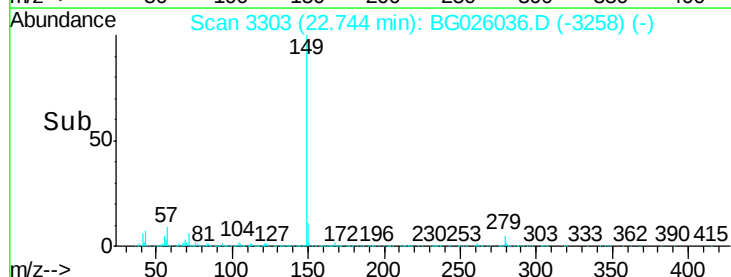
149 100

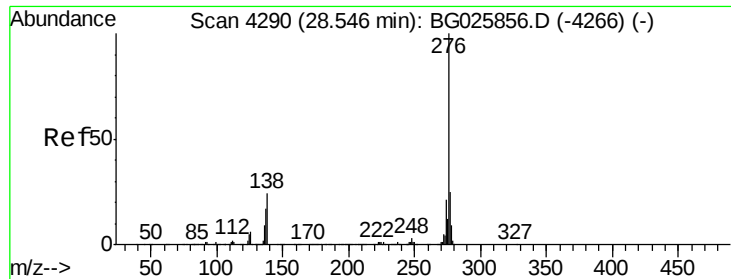
167 1.7 1.4 2.2

43 7.4 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BG





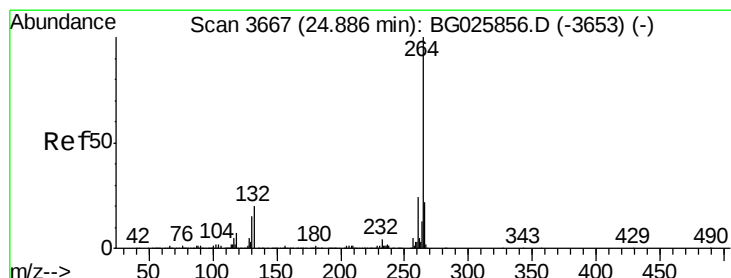
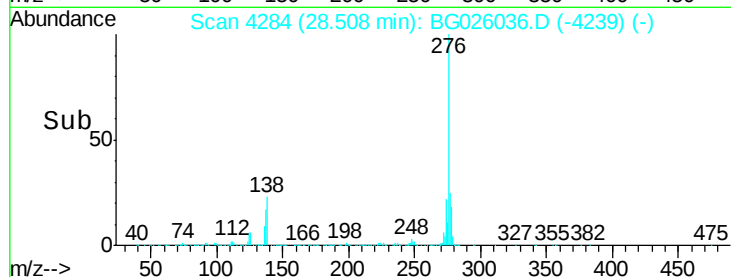
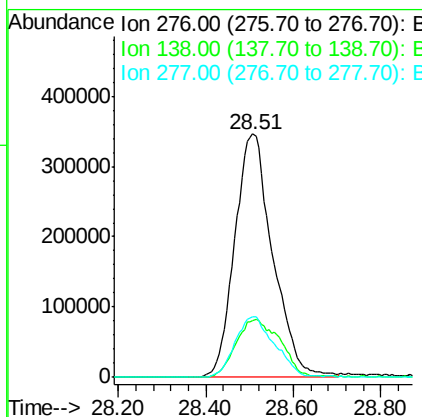
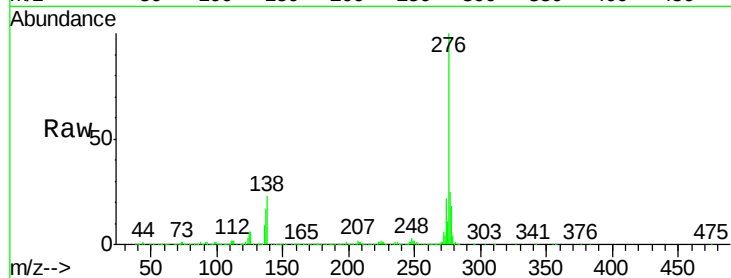
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.53 ng
 RT: 28.51 min Scan# 4284
 Delta R.T. -0.04 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion:276 Resp: 2035246
 Ion Ratio Lower Upper
 276 100
 138 27.7 4.7 7.1#
 277 26.0 20.6 31.0

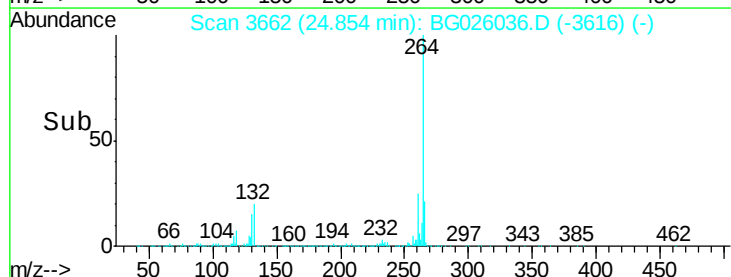
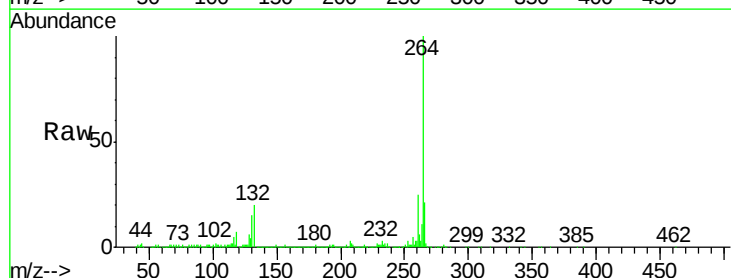
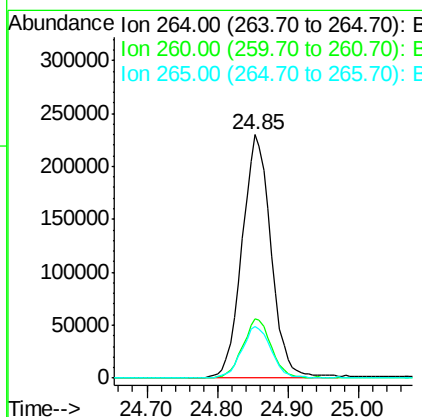
Manual Integrations
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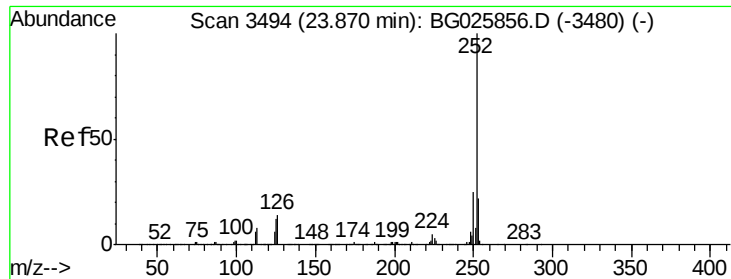
mohammad
 3/3/2017 10:56:44 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.85 min Scan# 3662
 Delta R.T. -0.03 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Tgt Ion:264 Resp: 653408
 Ion Ratio Lower Upper
 264 100
 260 24.5 21.8 32.8
 265 21.4 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 51.00 ng

RT: 23.84 min Scan# 3490

Delta R.T. -0.03 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Instrument :

BNA_G

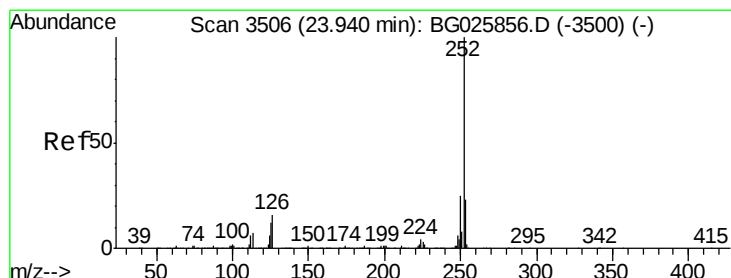
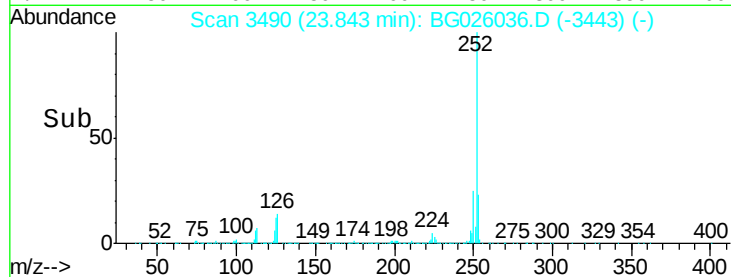
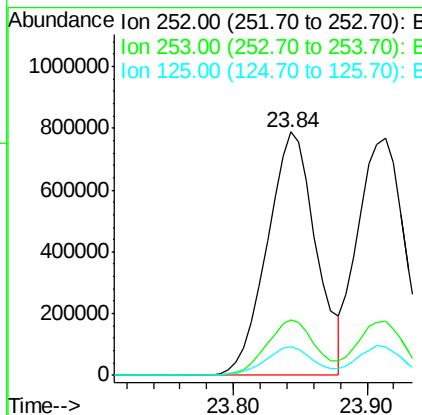
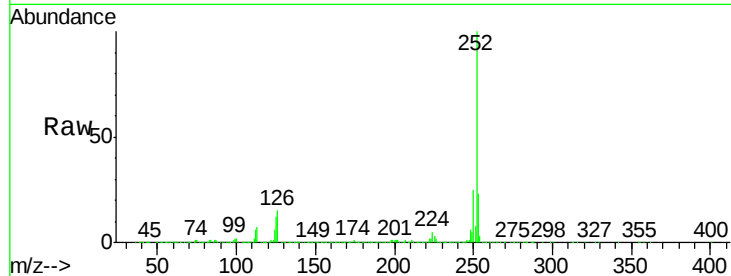
ClientSampleId :

4B-20MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	11.7	5.3	7.9#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 48.60 ng

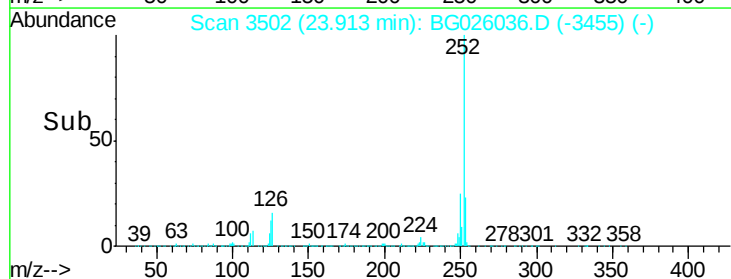
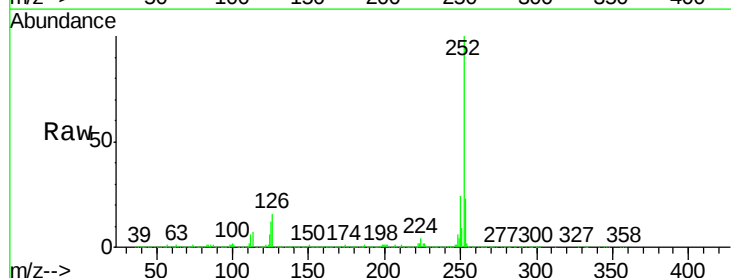
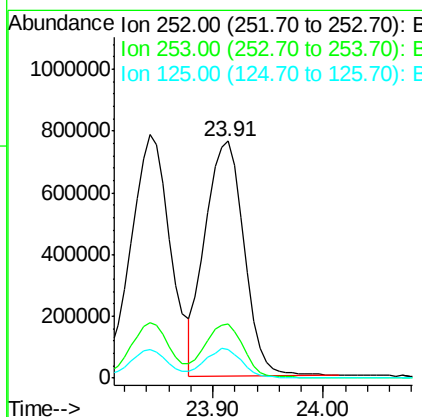
RT: 23.91 min Scan# 3502

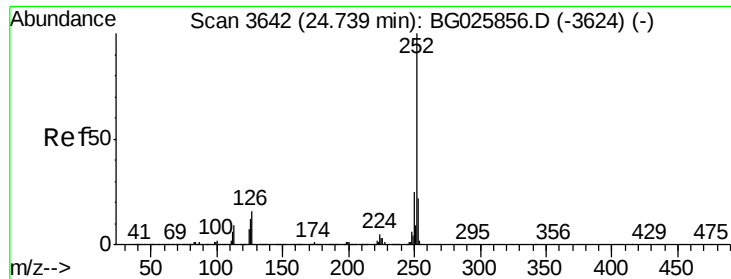
Delta R.T. -0.03 min

Lab File: BG026036.D

Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.2	30.2
125	11.8	5.1	7.7#





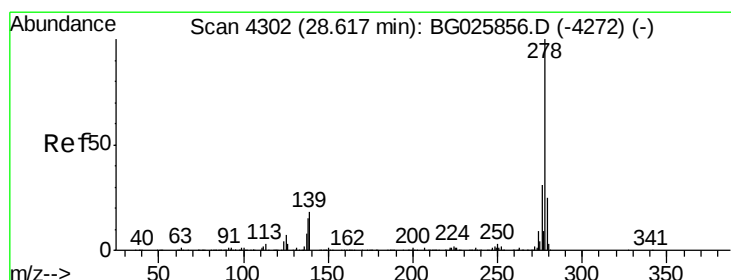
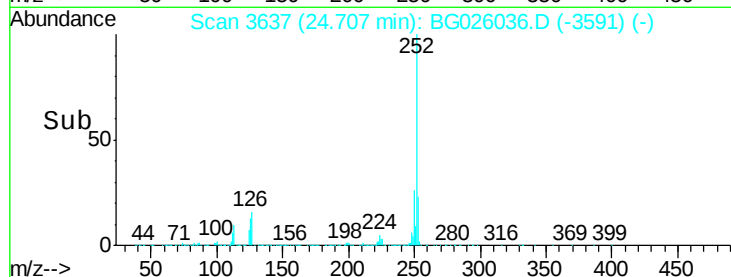
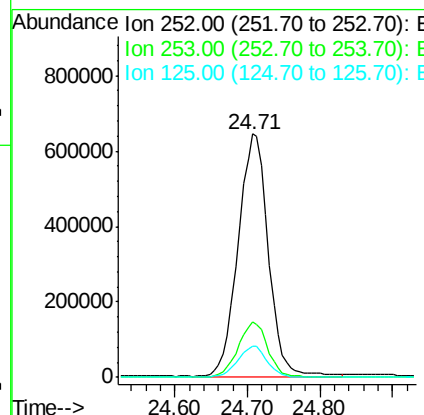
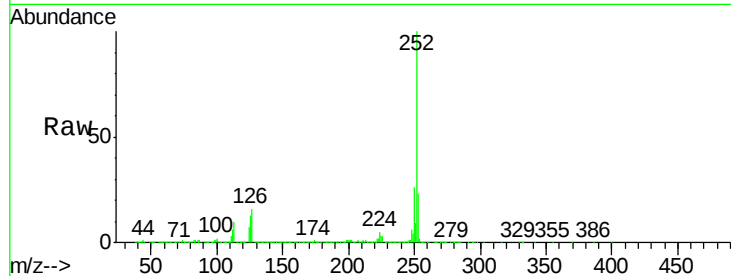
#89
Benzo(a)pyrene
Concen: 50.11 ng
RT: 24.71 min Scan# 3637
Delta R.T. -0.03 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Instrument :
BNA_G
ClientSampleId :
4B-20MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	12.9	5.4	8.0#

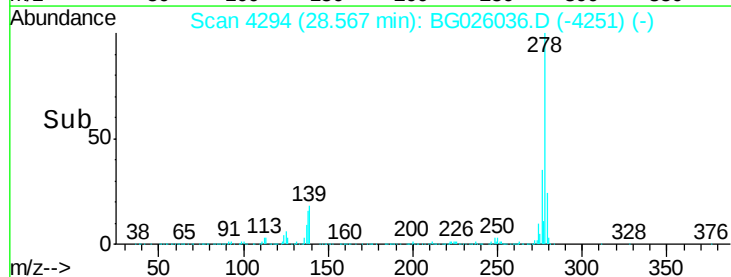
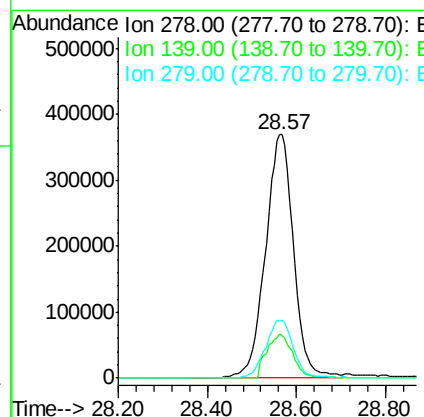
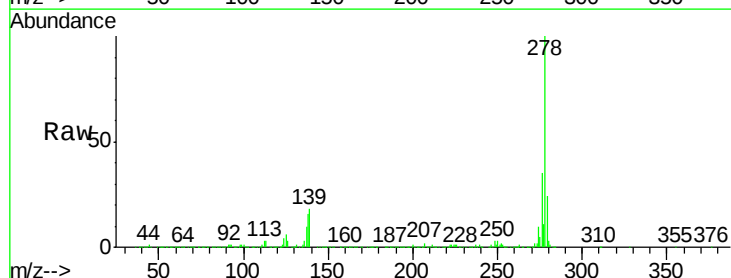
Manual Integrations
APPROVED

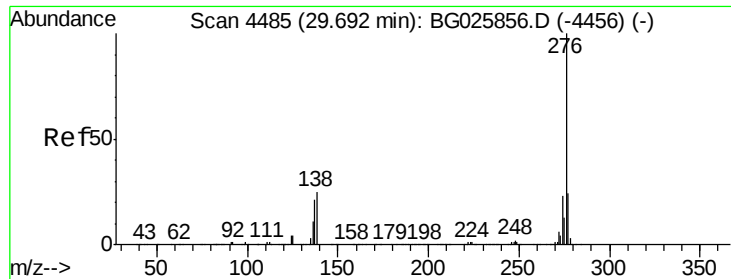
mohammad
3/3/2017 10:56:44 AM



#90
Dibenzo(a,h)anthracene
Concen: 43.49 ng
RT: 28.57 min Scan# 4294
Delta R.T. -0.05 min
Lab File: BG026036.D
Acq: 2 Mar 2017 19:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	7.7	11.5#
279	23.7	19.1	28.7





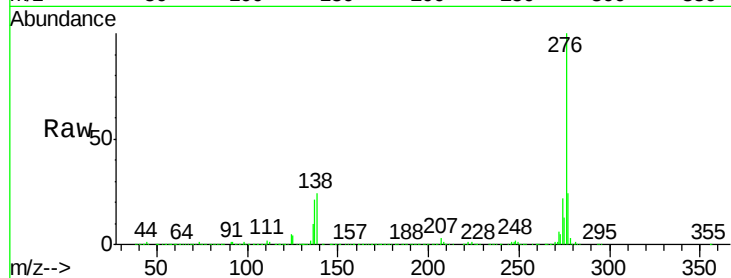
#91
 Benzo(g,h,i)perylene
 Concen: 46.42 ng
 RT: 29.65 min Scan# 4478
 Delta R.T. -0.04 min
 Lab File: BG026036.D
 Acq: 2 Mar 2017 19:18

Instrument :
 BNA_G
 ClientSampleId :
 4B-20MS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	27.8
138	23.9	8.1	12.1

Manual Integrations
 APPROVED

mohammad
 3/3/2017 10:56:44 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

